

Per-Fix[™] for Vinyl

Part No. See Section 1.1 (Liquid)

Print Date: 10/10/2019 Revision Date: 10/10/2019 Supersedes Date: 10/10/2019 Issue Date: 10/10/2019 Version: 1.0 (EN)-MX Page: 1/12

according to the NMX-R-019-SCFI-2011, according to the NOM-018-STPS-2015

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Produ	ict Identifier				
Product Name	roduct Name : Per-Fix [™] for Vinyl				
Manufacturer Pro	duct Number	:	6405AAA, 6405AA, 6405A, 6405B, 6405C		
1.2 Other	Means of Id	lentification			
Other Identifiers		:	Flaw Repair		
1.3 Relev	ant Identifie	d Uses of the Subs	tance or Mixture and Uses Advised Agai	inst	
Recommended Us	se	:	Touch-up coating for molded plastic parts.		
Restrictions on Us	se	:	None Identified		
1.4 Suppl	ier Details				
			Manufacturer Details	Supplier Details	
Company Name		:	Chem-Pak Inc	Chem-Pak Inc	
Address		:	242 Corning Way, Martinsburg, WV 25405 -	242 Corning Way, Martinsburg, WV 25405 - United	
			United States	States	
Phone Number Fax Number		:	304-262-1880 304-262-9643	304-262-1880 304-262-9643	
Email			msds@chem-pak.com	304-202-3043	
Website			http://www.chem-pak.com		
1.5 24 hr	Emergency F	Phone Number			
Emergency Numb	er	:	ChemTel for Mexico: 800-099-0731		
SECTION 2 - H	HAZARDS I	DENTIFICATION			
2.1 Classi	fication of th	ne Substance or Mi	ixture		
Flam. Liq. 2	H225	Physical Hazards	Flammable liquids, Category 2		
Skin Irrit. 2	H315	Health Hazards	Skin corrosion/irritation, Category	/2	
Eye Irrit. 2	H319	Health Hazards	Serious eye damage/eye irritation	n, Category 2	
Muta. 1	H340	Health Hazards	Germ cell mutagenicity, Category	1	
Carc. 1	H350	Health Hazards	Hazards Carcinogenicity, Category 1		
Repr. 2	H361	Health Hazards	Reproductive toxicity, Category 2		
Stot Se 3	H336	Health Hazards	Specific target organ toxicity — Si	ingle exposure, Category 3, Narcosis	
Stot Re 2	H373	Health Hazards	Specific target organ toxicity — Re	epeated exposure, Category 2	
Asp. Tox. 1	H304	Health Hazards	Aspiration hazard, Category 1		
Aquatic Acute 3	H402	Environmental Hazo	ards Hazardous to the aquatic environ	ment — Acute Hazard, Category 3	
2.2 Label	Elements				

Hazard Pictograms



Signal Word	Danger		
Hazard Statements	H225	:	Highly flammable liquid and vapour.
	H304	:	May be fatal if swallowed and enters airways.
	H315	:	Causes skin irritation.
	H319	:	Causes serious eye irritation.
	H336	:	May cause drowsiness or dizziness.



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	according to the NMX-R-019-5	SCFI-2011, according to the NOM-018-STPS-2015
	H340	: May cause genetic defects.
	H350	: May cause cancer.
	H361	: Suspected of damaging fertility or the unborn child.
	H373	: May cause damage to organs through prolonged or repeated exposure.
	H402	: Harmful to aquatic life
Precautionary Statements	P202	: Do not handle until all safety precautions have been read and understood.
	P210	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P233	: Keep container tightly closed.
	P240	: Ground/bond container and receiving equipment.
	P241	: Use explosion-proof electrical/ventilating/lighting equipment.
	P242	: Use only non-sparking tools.
	P243	: Take action to prevent static discharges.
	P260	: Do not breathe vapour or fumes.
	P264	: Wash hands thoroughly after handling.
	P271	: Use only outdoors or in a well-ventilated area.
	P273	: Avoid release to the environment.
	P280	: Wear protective gloves and eye protection.
	P301+P310	: IF SWALLOWED: Immediately call POISON CENTER.
	P303+P361+P353	: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water water.
	P304+P340	: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P305+P351+P338	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P308+P313	: If exposed or concerned: Get medical advice/attention
	P314	: Get medical advice/attention if you feel unwell.
	P331	: Do NOT induce vomiting.
	P332+P313	: If skin irritation occurs: Get medical advice/attention.
	P337+P313	: If eye irritation persists: Get medical advice/attention.
	P362+P364	: Take off contaminated clothing and wash it before reuse.
	P370+P378	: In case of fire: Use water, CO2, dry chemcial, or universal aqueous film forming foam to extinguish.
	P403+P233	: Store in a well-ventilated place. Keep container tightly closed.
	P235	: Keep cool.
	P405	: Store locked up.
	P501	: Dispose of contents/container to applicable regulations

2.3 Other Hazards Which Do Not Result In Classification

Hazards Not Otherwise Classified

: None Identified.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance / Mixture

Substance / Mixture

: Mixture

3.2 Composition				
Substance name	CAS Number	% wt*	Classification	
Ethyl Acetate	141-78-6	30 - 60	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336	
Methyl Ethyl Ketone	78-93-3	10 - 30	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336	



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Substance name	CAS Number	% wt*	Classification
Xylene	1330-20-7	10 - 30	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Asp. Tox. 1, H304 Aquatic Acute 2, H401
Light Aromatic Solvent Naphtha	64742-95-6	1 - 5	Flam. Liq. 3, H226 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304 Aquatic Acute 3, H402
Ethylbenzene	100-41-4	1.7579	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 2, H401
1,2,4-Trimethyl Benzene	95-63-6	1 - 5	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Methyl Acetate	79-20-9	1 - 5	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Toluene	108-88-3	0.1 - 1	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 2, H401
Cumene	98-82-8	0.1 - 1	Flam. Liq. 3, H226 Carc. 2, H351 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

Full text of hazard classes and H-statements : see section 16

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4 - FIRST-AID MEASURES

4.1 Description of First-A	d Measures
General Measures	: Call a physician immediately.
Inhalation	: Remove person to fresh air and keep comfortable for breathing.
Skin Contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
Eye Contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	: Do not induce vomiting. Call a physician immediately.
First-Aid Responder Protection	: Wear adequate personal protective equipment based on the nature and severity of the emergency.



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Symptoms of Expoure : Fyre Institution, Name Institution, Throat Institution, Demastilis, Confusion, Skin Institution, Headache, Dizziness, Newshare, Diantess, Yomething, Optical Nerve Damage, Caugh, Chest Tightness, Muccau Membrane, Diantess, Yomething, Optical Nerve Damage, Caugh, Chest Tightness, Muccau Membrane, Diantess, Yomething, Optical Nerve Damage, Caugh, Chest Tightness, Muccau Membrane, Diantess, Yomething, Optical Nerve Damage, Caugh, Chest Tightness, Muccau Membrane, Diantess, Yomething, Optical Nerve Damage, Caugh, Chest Tightness, Muccau Membrane, Diantess, Yomething, Optical Nerve Damage, Caugh, Chest Tightness, Muccau Membrane, Diantess, Yomething, Optical Nerve Damage, Caugh, Chest Tightness, Muccau Membrane, Diantess, Yomething, Optical Nerve Damage, Caugh, Chest Tightness, Muccau Membrane, Diantess, Yomething, Optical Nerve Damage, Caugh, Chest Tightness, Muccau Membrane, Diantess, Yomething, Optical Nerve Damage, Caugh, Chest Tightness, Muccau Membrane, Diantess, Yomething, Optical Nerve Damage, Caugh, Chest Tightness, Muccau Membrane, Diantess, Yomething, Optical Nerve Damage, Caugh, Chest Tightness, Muccau Membrane, Diantess, Yomething, Optical Nerve Damage, Caugh, Chest Tightness, Muccau Membrane, Diantess, Yomething, Optical Nerve Damage, Caugh, Chest Tightness, Muccau A. 4.3 Indication of Immediate Medical Attention and Special Treatment Notes to Physiolan : Treat symptomatically, : Wore, carbon diaxide, dry chemical, universal aquecaus film forming foam. : Water, jet. 5.1 Suitable Extinguishing Media : Water, jet. 5.2 Specific Hazards Arising from the Chemical or Mixture : Becampastion products may include: axides of carbon, smoke, vapaurs, See also Section 10		1 050-17			
Symptoms of Exposure : Eve Institution, Neor Institut, Tenduton, Dermattis, Confulon, Skin Instituton, Headache, Dizziness, Nueva, Nurcess, Dorwiness, Yomiting, Optical Nerve Damage, Cough, Chest Tightness, Muccus Membrane, Diarchea Delayed Effects : No known dialoged effects. Immediate Effects : No known dialoged effects. Target Organs : Centrol Nervos System, Eyes, Liver, Naso Caulty, Reproductive System, Respiratory System, Skin, Kidneys. 4.3 Indication of Immediate Medical Attention and Special Treatment Notes to Physician : Treat symptomatically. Specific Treatments/Antidotes : No information Available. Medical Conditions Aggravated : Mole ogramote with pre-existing disorders associated with any of the Target Organs. ECTION 5 - FIRE-FIGHTING MEASURES : Water, carbon dioxide, dry chemical, universal aqueous film forming foam. Unsultable Media : Water, carbon dioxide, dry chemical, universal aqueous film forming foam. Unsultable Media : Water, carbon dioxide, dry chemical, universal aqueous film forming foam. Start petr. : Ecomposition products may include: oxides of carbon, smoke, vapours, See also Section 10.6. Specific Hazards Arising from the Chemical or Mixture : Ecomposition products may include: oxides of carbon, smoke, vapours, See also Section 10.6. Syspecific Hazards During Firefighting		according to the NMX-R-019-SCFI-2011, according to the NOM-018-STPS-2015			
Nausca, Narcosis, Drowsines, Vomiting, Optical Nerve Damage, Cough, Chest Tightness, Maccuus Membrane, Diomethae. Delayed Effects : No known numediate Effects Immediate Effects : Indication of Immediate Medical Attention and Special Treatment Novesto Physical : Indication of Immediate Medical Attention and Special Treatment Novesto Physical : Specific Treatymento and the previous of system, Respiratory System, Skin, Kidneys. A.3 Indication of Immediate Medical Attention and Special Treatymento and social diverse of system. Neets to Physical : Specific Treatymento and the previous of system, Respiratory System, Skin, Kidneys. ECTION 5 - FIRE-FIGHTING MEASURES S.1 Suitable Extinguishing Media Extinguishing Media : Weter, carbon diaxide, dry chemical, universal aqueous film forming foam. Systemic Hazardo Suring Firefighting : Social Protective Actions for Fire-Fighters S.2 Specific Hazards During Firefighting Social Protective Actions for Fire-Fighters Firefighting Instructions : Social Protective Actions for Fire-Fighters Firemenetal Precautions, Protect	4.2 Most Important Symptor	ns and Effects, Both Acute and Delayed			
Immediate Effects : No kown immediate offects. Chonic Effects : Repeated or prolonged contact may cause skin sensitization. Target Organs : Central Nervous System. Jyes, Lyer, Nasal Cavity, Reproductive System, Respiratory System, Skin, Kidneys. 4.3 Indication of Immediate Medical Attention and Special Treatment Notes to Physician : Treat ymptomatically. Specific Treatments/Antidotes : No Information Available. Wedical Conditions Aggravated : Woler, corbon dioxide, dry chemical, universal aqueous film forming foom. Extinguishing Media : Water, corbon dioxide, dry chemical, universal aqueous film forming foom. Unsuitable Media : Water, corbon dioxide, dry chemical, universal aqueous film forming foom. Specific Hazards Arising from the Chemical or Mixture : Decomposition products may include: avides of carbon, smoke, vapours. See also Section 10.6. Specific Hazards During Firefighting : Decomposition products may include: avides of carbon, smoke, vapours. See also Section 10.6. Special Protective Actions for Fire-Fighters : Singefighting Instructions Firefighting Instructions : Use water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure. For theoremain : No action should be are self-contained breathing apparatus with full face-piece operated in postilve pressure made.	Nausea, Narcosis, Drowsiness, Vomiting, Optical Nerve Damage, Cough, Chest Tightness, Mucous				
Chronic Effects : Repeated or prolonged contact may cause skin sensitization. Target Organs : Central Nervous System, Eye, Liver, Nasal Cavity, Reproductive System, Respiratory System, Skin, Kidneys. 4.3 Indication of Immediate Medical Attention and Special Treatment Notes to Physician : Terat symptomatorolly. Specific Treatments/Antidotes : No Information Available. Medical Conditions Aggravated : Moler, corban dioxide, dry chemical, universal aqueous film forming foam. ECTION 5 - FIRE-FIGHTING MEASURES Suitable Extinguishing Media Extinguishing Media : Woter, corban dioxide, dry chemical, universal aqueous film forming foam. Unsuitable Media : Woter, ield. S.2 Specific Hazards Arising from the Chemical or Mixture Hazardous Combustion Products : Decomposition products may include: oxides of carbon, smoke, vapours. See also Section 10.6. Specific Hazards During Firefighting : ODTEXTSH HiGHT FIRE SUPPARTING MEASURES Stard Specific Hazards During Firefighting : Decomposition products may include: oxides of carbon, smoke, vapours. See also Section 10.6. Specific Hazards During Firefighting : Decomposition products may include: oxides of carbon, smoke, vapours. See also Section 10.6. Specific Hazards During Firefighting : Use water sprox to cool fire exposed containers, as contents can rupture win	Delayed Effects : No known delayed effects.				
Farget Organs : Central Narvous System, Eyes, Liver, Nasal Cavity, Reproductive System, Respiratory System, Skin, Kidneys. 4.3 Indication of Immediate Medical Attention and Special Treatment Notes to Physician : Treat symptomatically. Specific Treatment/Antidots : Mol organation Available. Specific Treatment/Social Treatment : Mol organation Available. Specific Treatment/Social Treatment : Mol organation Available. Stable Extinguishing Media : Water, carbon dioxide, dry chemical, universal aqueous film forming foom. Specific Hazards Arising from the Chemical or Mixture : Water, carbon dioxide, dry chemical, universal aqueous film forming foom. Specific Hazards Arising from the Chemical or Mixture : Control Not Nature Hazardous Combustion Products : Decomposition products may include: oxides of carbon, snoke, vapours. See also Section 10.6. Specific Hazards Arising from the Chemical or Mixture : Control Not NUTY FINGHTY FINAMABLE, In a fire of if hoated, a pressure increase will occur which may result in container bursting. Vapours heavier than air may spread along the ground and travel to an ignition source. Special Protective Actions for Fire-Fighters : Use water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure. Fortection during Firefighting : Use water spray to cool fire exposed containers, as contents can rupture violenthy from heat	mmediate Effects	: No known immediate effects.			
4.3 Indication of Immediate Medical Attention and Special Treatment Notes to Physician : Treat symptomotically. Specific Treatments/Antiolotes : No Information Available. Medical Conditions Aggravated : May aggravate personnel with pre-existing disorders associated with any of the Target Organs. ECTION 5 - FIRE-FIGHTING MEASURES 5.1 Suitable Extinguishing Media : Water, carbon dioxide, dry chemical, universal aqueous film forming foam. Disultable Media : Water jet. S.2 Specific Hazards Arising from the Chemical or Mixture Haardous Combustion Products : Decomposition products may include: oxides of carbon, smoke, vapours. See also Section 10.6. Specific Hazards During Firefighting : CONTENTS HIGHTY FILAMMABLE. In a fire or if heated, a pressure increase will occur which may result in container busing. Vapours heavier than air may spread along the ground and travel to an ignition source S.3 Special Protective Actions for Fire-Fighters Firefighting Instructions : Use water spray to cool fire expased containeds as on the provide adequate write will full face-piece aperated in positive pressure made. ECTION 6 - ACCIDENTAL RELEASE MEASURES 5.1 6.1 Personal Precautions, Protective Equipment and Emergency Procedures For Non-Emergency Personnel : No action shouid wear self-contained dreating apparatus					
Notes to Physician : Treat symptomatically. Specific Treatments/Antidotes : No Information Available. Medical Conditions Aggravated : No Information Available. Medical Conditions Aggravated : May aggravate personnel with pre-existing disorders associated with any of the Target Organs. ECTION 5 - FIRE-FIGHTING MEASURES : Water, corbon dioxide, dry chemical, universal aqueous film forming foam. Unsuitable Media : Water jet. 5.2 Specific Hazards Arising from the Chemical or Mixture Hazardous Combustion Products : Decomposition products may include: oxides of carbon, smoke, vapours. See also Section 10.6. Specific Hazards During Firefighting : CONTENTS HAULY FLAMMABLE. In a fire or theated, a pressure increase will accur which may result in container bursting. Vapours heavier than air may spread along the ground and travel to an ignition source. 5.3 Specific Hazards During Firefighting : Use water spray to cool fire exposed containers, as contents can nupture violently from heat developed pressure. Protection during Firefighting : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure made. ECTION 6 - ACCIDENTAL RELEASE MEASURES Sold an should be taken involving any personnel without suitable training. Evacuate surrounding arease. For Non-Emergency Personnel : No action should be taken involving any personnel without suitable tr	Target Organs	: Central Nervous System, Eyes, Liver, Nasal Cavity, Reproductive System, Respiratory System, Skin, Kidneys.			
Specific Treatments/Antidotes : No Information Available: Medical Conditions Aggravated : May aggravate personnel with pre-existing disorders associated with any of the Target Organs. ECTION 5 - FIRE-FIGHTING MEASURES 5.1 Suitable Extinguishing Media : Water, carbon diaxide, dry chemical, universal aqueous film forming foam. Junuitable Media : Water, carbon diaxide, dry chemical, universal aqueous film forming foam. Junuitable Media : Water, carbon diaxide, dry chemical, universal aqueous film forming foam. S.2 Specific Hazards Arising from the Chemical or Mixture Hazardous Combustion Products : Decomposition products may include: axides of carbon, smoke, vapours. See also Section 10.6. Specific Hazards Larons for Fire-Fighters : CONTENTS HIGHLY FUMMABLE. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapours heavier than air may spread along the ground and travel to an ignition source. S.3 Special Protective Actions for Fire-Fighters Firefighting Instructions : Use water spray to coal fire exposed containers, as contents can rupture violently from heat developed pressure. Protection during Firefighting : No action should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode. ECTION 6 - ACCIDENTAL RELEASE MEASURES Ease of a for should be taken involving any personnel without suitable training. Du ota		Medical Attention and Special Treatment			
Wedelad Conditions Aggravated : May aggravate personnel with pre-existing disorders associated with any of the Target Organs. ECTION 5 - FIRE-FIGHTING MEASURES 5.1 Suitable Extinguishing Media :: Water, carbon dioxide, dry chemical, universal aqueous film forming foam. :: Water, carbon dioxide, dry chemical, universal aqueous film forming foam. :: Water, carbon dioxide, dry chemical, universal aqueous film forming foam. :: Water, carbon dioxide, dry chemical, universal aqueous film forming foam. :: Water, carbon dioxide, dry chemical, universal aqueous film forming foam. :: Water, carbon dioxide, dry chemical, universal aqueous film forming foam. :: Water jet. :: Specific Hazards Arising from the Chemical or Mixture Haradous Combustion Products : Decomposition products may include: oxides of carbon, smoke, vapours. See also Section 10.6. :: CONTENTS HIGHLY FLAMMABLE. In a fire or if heated, a pressure increase will occur which may result in container by spread diong the ground and travel to an ignition source. :: Specific Hazards During Firefighting : Use water spray to coal fire exposed containers, as contents can rupture violently from heat developed pressure. :: Freemen should wear self-contained breathing apparatus with full face-piece operated in positive pre	-				
ECTION 5 - FIRE-FIGHTING MEASURES 5.1 Suitable Extinguishing Media Extinguishing Media : Water, carbon diaxide, dry chemical, universal aqueous film forming foam. Unsuitable Media : Water /et. 5.2 Specific Hazards Arising from the Chemical or Mixture Haardous Combustion Products : Decomposition products may include: oxides of carbon, smoke, vapours. See also Section 10.6. Specific Hazards During Firefighting : CONTENTS HIGHLY FLAMMABLE. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapours have with than in may spread along the ground and travel to an ignition source. 5.3 Special Protective Actions for Fire-Fighters Firefighting Instructions : Use water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure. Protection during Firefighting : Sue water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure. For tencetion during Firefighting : Use water synay to cool fire exposed containers, as contents can rupture violently from heat developed pressure. For tencetion during Firefighting : Use water synay to cool fire exposed containers, as contents can rupture violently from heat developed pressure. For tencetion during Firefighting : Voe action should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.		-			
5.1 Suitable Extinguishing Media Filinguishing Media : Water, carbon dioxide, dry chemical, universal aqueous film forming foam. Unsuitable Media : Water jet. 5.2 Specific Hazards Arising from the Chemical or Mixture Hazardous Combustion Products : Decomposition products may include: oxides of carbon, smoke, vapours. See also Section 10.6. Specific Hazards During Firefighting : CONTENTS HIGHLY FLAMMABLE. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapours heavier than air may spread along the ground and travel to an ignition source. 5.3 Special Protective Actions for Fire-Fighters Firefighting Instructions : Use water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure. Protection during Firefighting : : Water protective Contained breathing apparatus with full face-piece operated in positive pressure mode. ECTION 6 - ACCIDENTAL RELEASE MEASURES 6.1 Personal Precautions, Protective Equipment and Emergency Procedures For Non-Emergency Personnel : No action should be token involving any personnel without suitable training. Evacuate surrounding areas. Keep puncessary on durrotect depresonnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it's safe to do so. <td< td=""><td>Medical Conditions Aggravated</td><td>: May aggravate personnel with pre-existing disorders associated with any of the Target Organs.</td></td<>	Medical Conditions Aggravated	: May aggravate personnel with pre-existing disorders associated with any of the Target Organs.			
Extinguishing Media : Water, carbon dioxide, dry chemical, universal aqueous film forming foom. Unsuitable Media : Water jet. 5.2 Specific Hazards Arising from the Chemical or Mixture Hazardous Combustion Products : Decomposition products may include: oxides of carbon, smoke, vapours. See also Section 10.6. Specific Hazards During Firefighting : CONTENTS HIGHLY FLAMMABLE. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapours heavier than air may spread along the ground and travel to an ignition source. 5.3 Special Protective Actions for Fire-Fighters Firefighting Instructions : Use water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure. Protection during Firefighting : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode. ECTION 6 - ACCIDENTAL RELEASE MEASURES 6.1 Personal Precautions, Protective Equipment and Emergency Procedures For Non-Emergency Personnel : No action should be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is age to do so. For Emergency Personnel : Water sersonal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above. <td< td=""><td>ECTION 5 - FIRE-FIGHTING N</td><td>1EASURES</td></td<>	ECTION 5 - FIRE-FIGHTING N	1EASURES			
Unsuitable Media : Water jet. 5.2 Specific Hazards Arising from the Chemical or Mixture Hazardous Combustion Products : Decomposition products may include: oxides of carbon, smoke, vapours. See also Section 10.6. Specific Hazards During Firefighting : CONTENTS HIGHLY FLAMMARLE. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapours heavier than air may spread along the ground and travel to an ignition source. 5.3 Special Protective Actions for Fire-Fighters Firefighting instructions : Use water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure. Protection during Firefighting : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode. ECTION 6 - ACCIDENTAL RELEASE MEASURES 5.1 Personal Precautions, Protective Equipment and Emergency Procedures For Non-Emergency Personnel : No action should be token involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel without of a do so. For Emergency Personnel : Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above. 6.2 Environmental Precautions : Keep out of drains, sewers, ditches, and watervays. Minimize use of water to prevent environmental contamination. 6.3 Methods and Ma	5.1 Suitable Extinguishing M	edia			
5.2 Specific Hazards Arising from the Chemical or Mixture Hazardous Combustion Products : Decomposition products may include: oxides of carbon, smoke, vapours. See also Section 10.6. Specific Hazards During Firefighting : CONTENTS HIGHLY FLAMMABLE. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapours heavier than air may spread along the ground and travel to on ignition source. 5.3 Special Protective Actions for Fire-Fighters Firefighting Instructions : Use water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure. Protection during Firefighting : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode. ECTION 6 - ACCIDENTAL RELEASE MEASURES 6.1 Personal Precautions, Protective Equipment and Emergency Procedures For Non-Emergency Personnel : No action should be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to as o. For Emergency Personnel : Weep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination. 6.2 Environmental Precautions : Released content may be contained with oil/solvent absorbent pads, booms, and/or absorbents. 6.3 Methods and Material	Extinguishing Media	: Water, carbon dioxide, dry chemical, universal aqueous film forming foam.			
Hazardous Combustion Products : Decomposition products may include: oxides of carbon, smoke, vapours. See also Section 10.6. Specific Hazards During Firefighting : CONTENTS HIGHLY FLAMMABLE. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapours heavier than air may spread along the ground and travel to an ignition source. S.3 Special Protective Actions for Fire-Fighters Firefighting Instructions : Use water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure. Protection during Firefighting : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode. ECTION 6 - ACCIDENTAL RELEASE MEASURES 6.1 Personal Precautions, Protective Equipment and Emergency Procedures For Non-Emergency Personnel : No action should be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnetecsary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if its safe to do so. For Emergency Personnel : Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination. 6.2 Environmental Precautions : Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination. 6.3 Methods and Materials for Containment and Cleaning up : Released content may be contained wi	Unsuitable Media	: Water jet.			
Specific Hazards During Firefighting : CONTENTS HIGHLY FLAMMABLE. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapours heavier than air may spread along the ground and travel to an ignition source. 5.3 Special Protective Actions for Fire-Fighters Eirefighting Instructions : Use water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure. Protection during Firefighting : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode. ECTION 6 - ACCIDENTAL RELEASE MEASURES 5.1 Personal Precautions, Protective Equipment and Emergency Procedures For Non-Emergency Personnel : No action should be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to do so. For Emergency Personnel : Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above. 6.2 Environmental Precautions : Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination. 6.3 Methods and Materials for Containment and Cleaning up Containment Procedures : Released content may be contained with oil/solvent absorbent pads, booms, and/or absorbents. Cl	5.2 Specific Hazards Arising f	rom the Chemical or Mixture			
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Firefighting Instructions : Use water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure. Protection during Firefighting : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode. ECTION 6 - ACCIDENTAL RELEASE MEASURES E. For Non-Emergency Personnel : No action should be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to do so. For Emergency Personnel : Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above. For Emergency Personnel : Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination. 6.2 Environmental Precautions : Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination. 6.3 Methods and Materials for Containment and Cleaning up : Released content may be contained with oil/solvent absorbent pads, booms, and/or absorbents. Cleanup Procedures : Released content may be contained with oil/solvent absorbent pads, booms, and/or absorbent and place in safety containers for proper disposal. Other Information : The North American Emergency Response Guidebook or similar resources providing emergency response information for dealin	Specific Hazards During Firefighting	: CONTENTS HIGHLY FLAMMABLE. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapours heavier than air may spread along the ground and travel to an ignition source.			
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Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to do so. For Emergency Personnel : Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above. 6.2 Environmental Precautions : Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination. 6.3 Methods and Materials for Containment and Cleaning up Containment Procedures : Released content may be contained with oil/solvent absorbent pads, booms, and/or absorbents. Cleanup Procedures : Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal. Other Information : The North American Emergency Response Guidebook or similar resources providing emergency response information for dealing with accidents, spills, leaks, and/or fires involving dangerous goods.	6.1 Personal Precautions, Pro	otective Equipment and Emergency Procedures			
6.2 Environmental Precautions Environmental Precautions : Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination. 6.3 Methods and Materials for Containment and Cleaning up Containment Procedures : Released content may be contained with oil/solvent absorbent pads, booms, and/or absorbents. Cleanup Procedures : Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal. Other Information : The North American Emergency Response Guidebook or similar resources providing emergency response information for dealing with accidents, spills, leaks, and/or fires involving dangerous goods.	For Non-Emergency Personnel	Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove			
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6.3 Methods and Materials for Containment and Cleaning up Containment Procedures : Released content may be contained with oil/solvent absorbent pads, booms, and/or absorbents. Cleanup Procedures : Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal. Other Information : The North American Emergency Response Guidebook or similar resources providing emergency response information for dealing with accidents, spills, leaks, and/or fires involving dangerous goods.	6.2 Environmental Precautio	ns			
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place in safety containers for proper disposal. Dther Information : The North American Emergency Response Guidebook or similar resources providing emergency response information for dealing with accidents, spills, leaks, and/or fires involving dangerous goods.					
information for dealing with accidents, spills, leaks, and/or fires involving dangerous goods.	Cleanup Procedures				
	Other Information				
	Prohibited Materials				
	ECTION 7 - HANDLING AND	STURAGE			



Part No. See Section 1.1 (Liquid)

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accord	ling to the NMX	-R-019-SCFI-2011,0	according to the l	NOM-018-STPS-2015

7.1 Precautions for Safe Handling					
General Handling Precautions	: KEEP OUT OF THE REACH OF CHILDREN. Avoid use around open flames or other sources of ignition.				
Hygiene Recommendations	: Do not eat, drink or smoke when using this product. Wash hands thoroughly after use. Remove contaminated clothing and protective equipment before entering eating or smoking areas.				
7.2 Conditions for Safe Stora	age Including Any Incompatibilities				
Storage Requirements	: Storage of flammable materials should conform to NFPA 30 Flammable and Combustible Liquid. Keep containers tightly closed and stored in a well-ventilated place. Keep away from sources of ignition Keep containers closed when not in use. Do not store in open or unlabelled containers.				

: Segregate storage away from materials indicated in Section 10.

Incompatibilities

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameter	rs	
Ethyl Acetate (141-78-6)		
NOM-010-STPS-1999	LMPE-PPT (mg/m3)	1400 mg/m³
NOM-010-STPS-1999	LMPE-PPT (ppm)	400 ppm
NOM-010-STPS-2014	VLE-CT (ppm)	400 ppm
USA (ACGIH)	ACGIH TWA (mg/m³)	400 ppm
Methyl Ethyl Ketone (78-93-3)		
NOM-010-STPS-1999	LMPE-PPT (mg/m3)	590 mg/m³
NOM-010-STPS-1999	LMPE-PPT (ppm)	200 ppm
NOM-010-STPS-1999	LMPE-CT (mg/m3)	885 mg/m³
NOM-010-STPS-1999	LMPE-CT (ppm)	300 ppm
NOM-010-STPS-2014	VLE-PPT (ppm)	300 ppm
NOM-010-STPS-2014	VLE-CT (ppm)	200 ppm
USA (ACGIH)	ACGIH TWA (mg/m³)	200 ppm
USA (ACGIH)	ACGIH Ceiling (mg/m ³)	300 ppm
Biological Exposure Index	MEK in Urine, End of shift	2 mg/l
Toluene (108-88-3)		
NOM-010-STPS-1999	LMPE-PPT (mg/m3)	188 mg/m³
NOM-010-STPS-1999	LMPE-PPT (ppm)	50 ppm
NOM-010-STPS-2014	VLE-CT (ppm)	20 ppm
USA (ACGIH)	ACGIH TWA (mg/m ³)	20 ppm
USA (ACGIH)	ACGIH Ceiling (mg/m ³)	150 ppm
Biological Exposure Index	Toluene in blood, Prior to last shift of workweek	0.02 mg/l
Biological Exposure Index	Toluene in urine, End of shift	0.03 mg/l
Biological Exposure Index	o-Cresol in urine (with hydrolysis), End of shift (B)	0.3 mg/g creatinine
Xylene (1330-20-7)		
NOM-010-STPS-1999	LMPE-PPT (mg/m3)	435 mg/m³
NOM-010-STPS-1999	LMPE-PPT (ppm)	100 ppm
NOM-010-STPS-1999	LMPE-CT (mg/m3)	655 mg/m ³
NOM-010-STPS-1999	LMPE-CT (ppm)	150 ppm
NOM-010-STPS-2014	VLE-PPT (ppm)	150 ppm
NOM-010-STPS-2014	VLE-CT (ppm)	100 ppm
USA (ACGIH)	ACGIH TWA (mg/m ³)	100 ppm
USA (ACGIH)	ACGIH Ceiling (mg/m ³)	150 ppm
Biological Exposure Index	Methylhippuric Acid in Urine (Post Shift), End of shift	1.5 g/g creatinine
Ethylbenzene (100-41-4)		
NOM-010-STPS-1999	LMPE-PPT (mg/m3)	435 mg/m³
NOM-010-STPS-1999	LMPE-PPT (ppm)	100 ppm
NOM-010-STPS-1999	LMPE-CT (mg/m3)	435 mg/m ³
NOM-010-STPS-1999	LMPE-CT (ppm)	125 ppm
USA (ACGIH)	ACGIH TWA (mg/m ³)	20 ppm
Biological Exposure Index	Sum of Mandelic Acid and Phenyl Glyoxylic Acid in Urine, End of shift at end of workweek	0.7 g/g creatinine



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according to the NMX-R-019-SCFI-2011, according to the NOM-018-STPS-2015

Methyl Acetate (79-20-9)		
NOM-010-STPS-1999	LMPE-PPT (mg/m3)	610 mg/m³
NOM-010-STPS-1999	LMPE-PPT (ppm)	200 ppm
NOM-010-STPS-1999	LMPE-CT (mg/m3)	760 mg/m ³
NOM-010-STPS-1999	LMPE-CT (ppm)	250 ppm
NOM-010-STPS-2014	VLE-PPT (ppm)	250 ppm
NOM-010-STPS-2014	VLE-CT (ppm)	200 ppm
USA (ACGIH)	ACGIH TWA (mg/m³)	200 ppm
USA (ACGIH)	ACGIH Ceiling (mg/m³)	250 ppm
Cumene (98-82-8)		
NOM-010-STPS-1999	LMPE-PPT (mg/m3)	245 mg/m ³
NOM-010-STPS-1999	LMPE-PPT (ppm)	50 ppm
NOM-010-STPS-1999	LMPE-CT (mg/m3)	365 mg/m³
NOM-010-STPS-1999	LMPE-CT (ppm)	75 ppm
NOM-010-STPS-2014	VLE-CT (ppm)	50 ppm
USA (ACGIH)	ACGIH TWA (mg/m³)	50 ppm
1,2,4-Trimethyl Benzene (95-63-6)		
USA (ACGIH)	ACGIH TWA (mg/m³)	25 ppm
8.2 Exposure Controls		
8.2 Exposure Controls		h
8.2 Exposure Controls Engineering Measures	: Use only with adequate ventilation. General ventilation (typically 10 air change	
•	Ventilation rates should be matched to conditions. Local exhaust ventilation or	an enclosed handling system
Engineering Measures		an enclosed handling system
Engineering Measures Personal Protective Equipment	Ventilation rates should be matched to conditions. Local exhaust ventilation or may be necessary to control air contamination below that of the lowest OEL fro	an enclosed handling system om the table above.
Engineering Measures	Ventilation rates should be matched to conditions. Local exhaust ventilation or	n enclosed handling system m the table above. f industrial chemical handling.
Engineering Measures Personal Protective Equipment	 Ventilation rates should be matched to conditions. Local exhaust ventilation or may be necessary to control air contamination below that of the lowest OEL from the state of the lowest OEL from the should be should be an ecommended as a minimum for any type of the should be should be an ecommended as a minimum for any type of the should be should be approximately be an ecommended as a minimum for any type of the should be approximately be approximately	n enclosed handling system m the table above. f industrial chemical handling.
Engineering Measures Personal Protective Equipment Eye / Face Protection	 Ventilation rates should be matched to conditions. Local exhaust ventilation or may be necessary to control air contamination below that of the lowest OEL from the safety glasses with side shields are recommended as a minimum for any type of Where eye contact with this material could occur, chemical splash proof goggle Chemical-resistant gloves, tested according to EN 374. 	an enclosed handling system om the table above. f industrial chemical handling. es are recommended.
Engineering Measures Personal Protective Equipment Eye / Face Protection Hand Protection	 Ventilation rates should be matched to conditions. Local exhaust ventilation or may be necessary to control air contamination below that of the lowest OEL from the state of the lowest OEL from the state of the state shields are recommended as a minimum for any type of Where eye contact with this material could occur, chemical splash proof goggle 	an enclosed handling system om the table above. f industrial chemical handling. es are recommended.
Engineering Measures Personal Protective Equipment Eye / Face Protection Hand Protection	 Ventilation rates should be matched to conditions. Local exhaust ventilation or may be necessary to control air contamination below that of the lowest OEL from the state of the lowest OEL from the state of the state shields are recommended as a minimum for any type of Where eye contact with this material could occur, chemical splash proof goggle Chemical-resistant gloves, tested according to EN 374. Choose gloves to protect hands against chemicals depending on the concentration 	an enclosed handling system om the table above. f industrial chemical handling. es are recommended. tion and quantity of the
Engineering Measures Personal Protective Equipment Eye / Face Protection Hand Protection Remarks	 Ventilation rates should be matched to conditions. Local exhaust ventilation or may be necessary to control air contamination below that of the lowest OEL from the state of the lowest OEL from the state of the state shields are recommended as a minimum for any type of Where eye contact with this material could occur, chemical splash proof goggles Chemical-resistant gloves, tested according to EN 374. Choose gloves to protect hands against chemicals depending on the concentration hazardous substance and specific to the place of work. 	an enclosed handling system om the table above. f industrial chemical handling. es are recommended. tion and quantity of the d be needed. When prolonged
Engineering Measures Personal Protective Equipment Eye / Face Protection Hand Protection Remarks	 Ventilation rates should be matched to conditions. Local exhaust ventilation or may be necessary to control air contamination below that of the lowest OEL from the state of the lowest OEL from the lowest OEL from the state of the lowest OEL from the low	an enclosed handling system om the table above. f industrial chemical handling. es are recommended. tion and quantity of the d be needed. When prolonged edients listed in Section 2.
Engineering Measures Personal Protective Equipment Eye / Face Protection Hand Protection Remarks Skin and Body Protection	 Ventilation rates should be matched to conditions. Local exhaust ventilation or may be necessary to control air contamination below that of the lowest OEL from the expectation of the expectation	an enclosed handling system om the table above. f industrial chemical handling. es are recommended. tion and quantity of the d be needed. When prolonged edients listed in Section 2. der certain circumstances
Engineering Measures Personal Protective Equipment Eye / Face Protection Hand Protection Remarks Skin and Body Protection	 Ventilation rates should be matched to conditions. Local exhaust ventilation or may be necessary to control air contamination below that of the lowest OEL from the expectation of the expectation	an enclosed handling system om the table above. f industrial chemical handling. es are recommended. tion and quantity of the d be needed. When prolonged edients listed in Section 2. der certain circumstances
Engineering Measures Personal Protective Equipment Eye / Face Protection Hand Protection Remarks Skin and Body Protection Respiratory Protection Compliance	 Ventilation rates should be matched to conditions. Local exhaust ventilation or may be necessary to control air contamination below that of the lowest OEL from the expectation of the expectation	an enclosed handling system om the table above. f industrial chemical handling. es are recommended. tion and quantity of the d be needed. When prolonged edients listed in Section 2. der certain circumstances imits.
Engineering Measures Personal Protective Equipment Eye / Face Protection Hand Protection Remarks Skin and Body Protection Respiratory Protection	 Ventilation rates should be matched to conditions. Local exhaust ventilation or may be necessary to control air contamination below that of the lowest OEL from the expectation of the expectation	an enclosed handling system om the table above. f industrial chemical handling. es are recommended. tion and quantity of the d be needed. When prolonged edients listed in Section 2. der certain circumstances imits.
Engineering Measures Personal Protective Equipment Eye / Face Protection Hand Protection Remarks Skin and Body Protection Respiratory Protection Compliance	 Ventilation rates should be matched to conditions. Local exhaust ventilation or may be necessary to control air contamination below that of the lowest OEL from the expectation of the expectation	an enclosed handling system om the table above. f industrial chemical handling. es are recommended. tion and quantity of the d be needed. When prolonged edients listed in Section 2. der certain circumstances imits.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Properties			
Boiling Point	> 56.90 °C	Melting / Freezing Point	> -98.00 °C
Flash Point, Liquid	> -20.00 °C		
Explosive Limits	LEL: 0.80 UEL: 24.60 vol %	Autoignition Temperature, Liquid	> 190.00 °C
Flammability	Highly Flammable Liquid	Density	0.879 g/cm³
Molecular Weight	Not Available	Weight	7.335 lbs/gal
Vapor Pressure	Not Available	рН	Not Available
Vapor Density	Not Available	Evaporation Rate (nBAc=1)	Not Available
Viscosity	Not Available	Partition Coefficient (Log Pow)	Not Available
Odor Threshold	Not Available	Refractive Index	Not Available
Physical State	Liquid	Heat Of Combustion	Not Available
Appearance / Color	Clear, Colourless	Water Solubility	Not Available
Odor	Paint-like	Decomposition Temperature	Not Available



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according to the NMX-R-019-SCFI-2011, according to the NOM-018-STPS-2015

9.2 Environmental Propert	ies		
Percent Volatile	90.89 % wt	VOC Regulatory	797.79 g/L (6.66 lbs/gal)
Percent VOC	89.45 % wt	VOC Actual	786.28 g/L (6.56 lbs/gal)
Percent HAP	44.58 % wt	HAP Content	391.86 g/L (3.27 lbs/gal)
Global Warming Potential	0.01 GWP	Maximum Incremental Reactivity	2.3460 g O3/g
Ozone Depletion Potential	0.00 ODP		

SECTION 10 - STABILITY AND REACTIVITY

10.1	Reactivity		
Reactivi	ty	:	No specific test data related to reactivity is available for this products or its ingredients.
10.2	Chemical Stability		
Chemica	al Stability	:	This product is stable.
10.3	Possibility of Hazardous React	ions	
Hazardo	ous Reactions	:	Under normal conditions of storage and use, hazardous reactions are not expected to occur.
10.4	Conditions to Avoid		
Conditio	ons to Avoid	:	Electrostatic Discharge, Other Ignition Sources, Hot Surfaces, Heat, Flames, Sparks, Strong Heating.
10.5	Incompatible Materials		
Materia	ls to Avoid	:	Strong Oxidizing Agents, Strong Reducing Agents, Alkali Metals, Strong Acids, Aluminum, Potassium t- Butoxide, Bases, Calcium Hypochlorite, Aluminum Chloride, Acids, Hydrogen Peroxide, Magnesium, Sulfuric Acid, Perchloric Acid, Nitrating Agents, Chlorosulfuric Acid, Potassium Chlorate, Heavy Metals and their Salts, Phenols, Performic Acid.
10.6	Hazardous Decomposition Pro	ducto	

10.6 Hazardous Decomposition Products

Thermal Decomposition

: Oxides of carbon, Aldehydes, Methanol, Acetic Acid, Peroxybenzoic Acid, Benzoic Acid.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effect	ts
Ethyl Acetate (CAS: 141-78-6 / EC: 205-500-4)	
LD50 Oral (Rat)	5620 mg/kg (RTECS)
LD50 Dermal (Rabbit)	> 18000 mg/kg (Sigma-Aldrich)
LC50 Inhalation (Rat)	10600 ppm/4h (ChemInfo)
Methyl Ethyl Ketone (CAS: 78-93-3 / EC: 201-159-0)	
LD50 Oral (Rat)	2737 mg/kg (Sigma-Aldrich)
LD50 Dermal (Rabbit)	6480 mg/kg (RTECS)
LC50 Inhalation (Rat)	205 mg/l/4h (ChemInfo)
LC50 Inhalation (Rat)	30200 ppm/4h (ChemInfo)
Toluene (CAS: 108-88-3 / EC: 203-625-9)	
LD50 Oral (Rat)	> 2000 mg/kg (Lit.)
LD50 Dermal (Rabbit)	12124 mg/kg (IUCLID)
LC50 Inhalation (Rat)	> 20 mg/l/4h (Lit.)
Xylene (CAS: 1330-20-7 / EC: 215-535-7)	
LD50 Oral (Rat)	4300 mg/kg (RTECS)
LD50 Dermal (Rabbit)	12126 mg/kg (Sigma-Aldrich)
LC50 Inhalation (Rat)	21.7 mg/l/4h (GESTIS Substance Database)
LC50 Inhalation (Rat)	6700 ppm/4h (ChemInfo)



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Ethylbenzene (CAS: 100-41-4 / EC: 202-849-4)	
LD50 Oral (Rat)	4720 mg/kg (ChemInfo) 15380 mg/kg (ChemInfo)
LD50 Dermal (Rabbit)	
LC50 Inhalation (Rat)	17.2 mg/l/4h (IUCLID) 4000 ppm/4h (ChemInfo)
LC50 Inhalation (Rat)	4000 ppm/41 (cheminjo)
Methyl Acetate (CAS: 79-20-9 / EC: 201-185-2)	
LD50 Oral (Rat)	6970 mg/kg (Lit.)
LD50 Dermal (Rabbit)	> 5000 mg/kg (RTECS)
LC50 Inhalation (Rat)	> 49.28 mg/l/4h (External SDS)
LC50 Inhalation (Rat)	16000 - 32000 (ChemInfo)
Cumene (CAS: 98-82-8 / EC: 202-704-5)	
LD50 Oral (Rat)	2900 mg/kg (RTECS)
LD50 Dermal (Rabbit)	10627 mg/kg (ChemInfo)
LC50 Inhalation (Rat)	40 mg/l/4h (ChemInfo)
LC50 Inhalation (Rat)	8000 ppm/4h (ChemInfo)
Light Aromatic Solvent Naphtha (CAS: 64742-95-6 /	EC: 265-199-0)
LD50 Oral (Rat)	8400 mg/kg (RTECS)
LD50 Dermal (Rabbit)	> 3160 mg/kg (ChemInfo)
LC50 Inhalation (Rat)	3670 ppm/4h (Lit.)
1,2,4-Trimethyl Benzene (CAS: 95-63-6 / EC: 202-436	
LD50 Oral (Rat)	> 5000 mg/kg (RTECS)
LD50 Dermal (Rat)	> 3440 mg/kg (Lit.)
LC50 Inhalation (Rat)	18 mg/l/4h (RTECS)
Routes Of Exposure	: Eye Contact, Ingestion, Skin Contact, Inhalation, Skin Absorption.
Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure	: See Section 4.2
Skin Corrosion/Irritation	: Causes skin irritation.
Eye Damage/Irritation	: Causes serious eye irritation.
Respiratory or Skin Sensitization	: Not classified
Germ Cell Mutagenicity	: May cause genetic defects.
Reproductive Toxicity	: Suspected of damaging fertility or the unborn child.
STOT-Single Exposure	: May cause drowsiness or dizziness.
STOT-Repeated Exposure	: May cause damage to organs through prolonged or repeated exposure.
Aspiration Hazard	: May be fatal if swallowed and enters airways.
Carcinogen Data	: The following ingredients are listed as known or suspected carcinogens:
	Ethylbenzene (CAS: 100-41-4 / EC: 202-849-4)
	IARC group 2B - Possibly carcinogenic to humans
	ACGIH Category A3 - Confirmed animal carcinogen with unknown relevance to humans
	Cumene (CAS: 98-82-8 / EC: 202-704-5)
	IARC group 2B - Possibly carcinogenic to humans

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Ecotoxicity and Ecological	Properties
Ethyl Acetate (141-78-6)	
LC50 Fish	450 - 600 mg/l Rainbow Trout - 96hr
LC50 Fish	220 - 250 mg/l Fathead Minnow - 96h
LC50 Other Aquatic Organisms	560 mg/l Water Flea - 48hr
EC50 Daphnia	2300 - 3090 mg/l Water Flea - 24hr
EC50 Other Aquatic Organisms	4300 mg/l Green Algae - 24hr
Persistence and Degradibility	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.
Biochemical Oxygen Demand	$0.293 \text{ g} \text{ O}_2/\text{g}$ substance



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Ethyl Acetate (141-78-6)	
Chemical Oxygen Demand	1.69 g O ₂ /g substance
Theoretical Oxygen Demand	1.82 g O ₂ /g substance
Biodegration	100 % 28 Days
BCF Fish	30
Log Pow	0.73
Bioacculative Potential	Low potential for bioaccumulation (BCF < 500).
Log Koc	0.778
Methyl Ethyl Ketone (78-93-3)	
LC50 Fish	3130 - 3320 mg/l Fathead Minnow - 96h
EC50 Daphnia	7060 mg/l Water Flea - 24hr
Persistence and Degradibility	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic
Discharging LO and Damas d	conditions.
Biochemical Oxygen Demand	2.03 g O ₂ /g substance
Chemical Oxygen Demand	2.31 g O ₂ /g substance
Theoretical Oxygen Demand	2.44 g O_2/g substance
Log Pow	0.3 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 40 °C)
Bioacculative Potential	Low potential for bioaccumulation (Log Kow < 4).
Log Koc	Koc,34; Calculated value
Toluene (108-88-3)	
LC50 Fish	5.8 mg/l Rainbow Trout - 96hr
LC50 Other Aquatic Organisms	10 mg/l Green Algae - 72hr
EC50 Daphnia	6 mg/l Water Flea - 48hr
Persistence and Degradibility	Readily biodegradable in water. Biodegradable in the soil. Low potential for absorption in soil.
Biochemical Oxygen Demand	2.15 g O ₂ /g substance
Chemical Oxygen Demand	$2.52 \text{ g } O_2/\text{g substance}$
Theoretical Oxygen Demand	3.13 g O ₂ /g substance
Biodegration	86 % 28 Days
Log Pow	2.73 (Experimental Value)
Bioacculative Potential	Low potential for bioaccumulation (BCF < 500).
Log Koc	2.15
Xylene (1330-20-7)	
LC50 Fish	26.7 mg/l Fathead Minnow - 96h
EC50 Daphnia	75.49 mg/l Water Flea - 48hr
EC50 Other Aquatic Organisms	72 mg/l Green Algae - 14d
Persistence and Degradibility	Readily biodegradable in water.
Biochemical Oxygen Demand	1.40 - 2.53 g O₂/g substance
Chemical Oxygen Demand	2.56 - 2.91 g O₂/g substance
Theoretical Oxygen Demand	$3.1 \text{ g } O_2/\text{g substance}$
BCF Fish	14.1 - 24 (BCF)
Log Pow	3.217
Bioacculative Potential	Low potential for bioaccumulation (BCF < 500).
Log Кос	3.156
Ethylbenzene (100-41-4)	
LC50 Fish	4.2 mg/l Rainbow Trout - 96hr
EC50 Daphnia	2.4 mg/l Water Flea - 48hr
EC50 Other Aquatic Organisms	9.68 mg/l Bacteria - 30min
EC50 Other Aquatic Organisms	4.6 mg/l Green Algae - 72hr
Persistence and Degradibility	Readily biodegradable in water. Biodegradable in the soil. Low potential for absorption in soil.
Biochemical Oxygen Demand	1.44 g O ₂ /g substance
Chemical Oxygen Demand	$2.1 \text{ g } O_2/\text{g substance}$
Theoretical Oxygen Demand	$3.17 \text{ g } O_2/\text{g substance}$
Biodegration	81 % 28 Days
BCF Fish	1.18
Log Pow	3.15
Bioacculative Potential	Low potential for bioaccumulation (BCF < 500).
Log Koc	2.4



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Methyl Acetate (79-20-9)	
LC50 Fish	250 - 350 mg/l Zebra Fish - 96hr
EC50 Daphnia	1026.7 mg/l Water Flea - 48hr
EC50 Other Aquatic Organisms	> 120 mg/l Green Algae - 72hr
EC50 Other Aquatic Organisms	6100 mg/l Bacteria - 30min
Persistence and Degradibility	Readily biodegradable in water. Inherently biodegradable. Highly mobile in soil.
Chemical Oxygen Demand	1511.8 mg/g
Theoretical Oxygen Demand	1510 mg/g
Biodegration	70 % 28 Days
BCF Fish	< 1 (BCF)
Log Pow	0.18
Bioacculative Potential	Low potential for bioaccumulation (BCF < 500).
Log Koc	0.68
LC50 Fish	4.8 mg/l Rainbow Trout - 96hr
EC50 Daphnia	2.14 mg/l Water Flea - 48hr
•	2.14 mg/l Green Algae - 72hr
EC50 Other Aquatic Organisms	
Persistence and Degradibility	Inherently biodegradable. Not readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.
Biochemical Oxygen Demand	1.28 g O_2/g substance
Chemical Oxygen Demand	$2.42 \text{ g } O_2/\text{g substance}$
Theoretical Oxygen Demand	$3.2 \text{ g } O_2/\text{g substance}$
Biodegration	88 % 28 days
BCF Fish	35.5
	94.69
BCF Other Aquatic Organisms Log Pow	3.66
Bioacculative Potential	
	Low potential for bioaccumulation (BCF < 500). 2.946
Log Koc	2.946
Light Aromatic Solvent Naphtha (64742-95-6)	
LC50 Fish	18 mg/l (LC50)
EC50 Daphnia	21 mg/l (EC50)
Persistence and Degradibility	Readily biodegradable in water.
Log Pow	>3
1,2,4-Trimethyl Benzene (95-63-6)	
LC50 Fish	7.72 mg/l Fathead Minnow - 96h
EC50 Daphnia	3.6 mg/l Water Flea - 48hr
Persistence and Degradibility	Biodegradable in the soil. Not readily biodegradable in water.
Chemical Oxygen Demand	$0.44 \text{ g} O_2/\text{g}$ substance
BCF Fish	243 (Pimephales promelas, QSAR)
Log Pow	3.63 (Experimental value, KOWWIN)
Bioacculative Potential	Low potential for bioaccumulation (BCF < 500).

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 **Waste Treatment Methods** Waste Disposal : Product is suitable for burning in an enclosed, controlled burner for fuel value. Hazard characteristics and regulatory waste stream classification can change with product use and location. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste material must be disposed of in compliance with the respective national, federal, state, and/or local regulations. : Consult with your local landfill to determine if empty small containers can be disposed of along with regular Waste Disposal Of Packaging trash pickup. For disposal of large containers (typically 10 gallons or larger), or for containers not suitable for landfill, a licensed reconditioner should be used. Landfill Precautions : Not Available. **Incineration Precautions** : Not Available.



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ECTION 14 - TRANSPORTATION	INFORMATION			
L4.1 UN Number	NOM-00	2-SLT (MEXICO)	IATA (AIR)	IMDG (OCEAN)
JN Number		UN1263	UN1263	UN1263
L4.2 UN Proper Shipping Name	NOM-00	2-SLT (MEXICO)	IATA (AIR)	IMDG (OCEAN)
JN Proper Shipping Name	:	Paint	Paint	Paint
14.3 Transport Hazard Class(es)	NOM-00	2-SLT (MEXICO)	IATA (AIR)	IMDG (OCEAN)
ransport Hazard Class(es)	:	3	3	3
abels	: 3 - Fla	mmable liquid	3 - Flammable liquid	3 - Flammable liquid
		FLAMMABLE LIQUID		
		3	3	3
EmS Code		t Applicable	Not Applicable	F-E, S-E
14.4 Packing Group	NOM-00	2-SLT (MEXICO)	IATA (AIR)	IMDG (OCEAN)
Packing Group	:	11	Ш	Ш
14.5 Environmental Hazards			IATA (AIR)	IMDG (OCEAN)
Marine Pollutant	:	No	No	No
14.6 Special Precautions				
Precautions	: None Identifie	L.		
		'a		
14.7 Transport in Bulk According to	o Annex II of Mar	pol and the IBC Code	2	
Remarks	: Not applicable	e for product as supplied		
		e for product as supplied		
Remarks ECTION 15 - REGULATORY INFO		e for product as supplied		
ECTION 15 - REGULATORY INFO	RMATION			
	RMATION		uct	
ECTION 15 - REGULATORY INFO	RMATION ental Regulations	Specific to the Produ	uct are either listed on the Toxic Substa	ances Control Act (TSCA) Invent
ECTION 15 - REGULATORY INFO	RMATION ental Regulations s : All chemical so	Specific to the Produ	are either listed on the Toxic Substa	nces Control Act (TSCA) Invent
ECTION 15 - REGULATORY INFO	RMATION ental Regulations S : All chemical su or are in comp : To the best of	Specific to the Product ubstances in this product oliance with a TSCA Invent our knowledge, all chemi	are either listed on the Toxic Substa	
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ECTION 15 - REGULATORY INFO 15.1 Safety, Health and Environme ISCA Inventory (United States) NSQ Inventory (Mexico) ECTION 16 - OTHER INFORMATI Indication of changes	RMATION ental Regulations S : All chemical su or are in comp : To the best of Chemical Subs ON : Section 1	Specific to the Product ubstances in this product of oliance with a TSCA Invent our knowledge, all chemi stances of Mexico. Changed item Created Safety Data Sheet – R	are either listed on the Toxic Substa tory exemption. ical substances in this product are li	sted on the National Inventory Change
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ECTION 15 - REGULATORY INFO 15.1 Safety, Health and Environme ISCA Inventory (United States) NSQ Inventory (Mexico) ECTION 16 - OTHER INFORMATI Indication of changes	RMATION ental Regulations S : All chemical su or are in comp : To the best of Chemical Subs ON : Section 1 : HCode H225 H226	Specific to the Product ubstances in this product of oliance with a TSCA Invent Four knowledge, all chemi stances of Mexico. Changed item Created Safety Data Sheet – R Highly flammable liquid and vapour.	are either listed on the Toxic Substa tory exemption. ical substances in this product are li tevision 1	sted on the National Inventory Change
ECTION 15 - REGULATORY INFO 15.1 Safety, Health and Environme ISCA Inventory (United States) NSQ Inventory (Mexico) ECTION 16 - OTHER INFORMATI Indication of changes	RMATION ental Regulations S : All chemical su or are in comp : To the best of Chemical Subs ON : Section 1 : H Code H226 H304	Specific to the Product ubstances in this product o pliance with a TSCA Invent our knowledge, all chemi stances of Mexico. Changed item Created Safety Data Sheet – R Highly flammable liquid and vapour. May be fatal if swallowed and	are either listed on the Toxic Substa tory exemption. ical substances in this product are li tevision 1	sted on the National Inventory Change
ECTION 15 - REGULATORY INFO 15.1 Safety, Health and Environme ISCA Inventory (United States) NSQ Inventory (Mexico) ECTION 16 - OTHER INFORMATI Indication of changes	RMATION ental Regulations S : All chemical su or are in comp : To the best of Chemical Subs ON : Section 1 : H Code H325 H326 H315 H319	Specific to the Product ubstances in this product of oliance with a TSCA Invent our knowledge, all chemi stances of Mexico. Changed item Created Safety Data Sheet – R H Phrase Highly flammable liquid and vapour. May be fatal if swallowed and Causes skin irritation. Causes serious eye irritation.	are either listed on the Toxic Substa tory exemption. ical substances in this product are li tevision 1	sted on the National Inventory Change
ECTION 15 - REGULATORY INFO 15.1 Safety, Health and Environme ISCA Inventory (United States) NSQ Inventory (Mexico) ECTION 16 - OTHER INFORMATI Indication of changes	RMATION ental Regulations S : All chemical su or are in comp : To the best of Chemical Subs ON : Section 1 : H Code H225 H226 H304 H319 H332	Specific to the Product ubstances in this product of oliance with a TSCA Invent Four knowledge, all chemi stances of Mexico. Changed item Created Safety Data Sheet – R Highly flammable liquid and v Flammable liquid and vapour. May be fatal if swallowed and Causes skin irritation. Causes serious eye irritation. Harmful if inhaled.	are either listed on the Toxic Substa tory exemption. ical substances in this product are li evision 1 apour. d enters ainways.	sted on the National Inventory Change
ECTION 15 - REGULATORY INFO 15.1 Safety, Health and Environme ISCA Inventory (United States) NSQ Inventory (Mexico) ECTION 16 - OTHER INFORMATI Indication of changes	RMATION ental Regulations S : All chemical su or are in comp : To the best of Chemical Subs ON : Section 1 : H Code H225 H226 H304 H315 H319 H332 H335	Specific to the Product ubstances in this product of oliance with a TSCA Invent our knowledge, all chemi stances of Mexico. Changed item Created Safety Data Sheet – R Highly flammable liquid and vapour. May be fatal if swallowed and Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritatic	are either listed on the Toxic Substa tory exemption. ical substances in this product are li tevision 1 apour. d enters airways.	sted on the National Inventory Change
ECTION 15 - REGULATORY INFO 15.1 Safety, Health and Environme ISCA Inventory (United States) NSQ Inventory (Mexico) ECTION 16 - OTHER INFORMATI Indication of changes	RMATION ental Regulations S : All chemical su or are in comp : To the best of Chemical Subs ON : Section 1 : H Code H225 H226 H304 H319 H332	Specific to the Product ubstances in this product of oliance with a TSCA Invent Four knowledge, all chemi stances of Mexico. Changed item Created Safety Data Sheet – R Highly flammable liquid and v Flammable liquid and vapour. May be fatal if swallowed and Causes skin irritation. Causes serious eye irritation. Harmful if inhaled.	are either listed on the Toxic Substa tory exemption. ical substances in this product are li tevision 1 apour. d enters airways.	sted on the National Inventory Change
ECTION 15 - REGULATORY INFO 15.1 Safety, Health and Environme ISCA Inventory (United States) NSQ Inventory (Mexico) ECTION 16 - OTHER INFORMATI Indication of changes	RMATION ental Regulations S : All chemical su or are in comp : To the best of Chemical Subs ON : Section 1 : HCode H225 H226 H304 H315 H332 H335 H336 H340 H350	Specific to the Product ubstances in this product of oliance with a TSCA Invent our knowledge, all chemi stances of Mexico. Changed item Created Safety Data Sheet – R Highly flammable liquid and vapour. May be fatal if swallowed and Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause drawsiness or dizzi May cause genetic defects. May cause cancer.	are either listed on the Toxic Substa tory exemption. ical substances in this product are li tevision 1 apour. d enters airways.	sted on the National Inventory Change
ECTION 15 - REGULATORY INFO 15.1 Safety, Health and Environme ISCA Inventory (United States) NSQ Inventory (Mexico) ECTION 16 - OTHER INFORMATI Indication of changes	RMATION ental Regulations S : All chemical su or are in comp : To the best of Chemical Subs ON : Section 1 : H Code H225 H226 H304 H315 H319 H315 H319 H335 H336 H336 H330 H350 H351	Specific to the Product ubstances in this product of oliance with a TSCA Invent our knowledge, all chemi stances of Mexico. Changed item Created Safety Data Sheet – R Highly flammable liquid and vapour. May be fatal if swallowed and Causes skin irritation. Causes skin irritation. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritatic May cause genetic defects. May cause genetic defects. May cause genetic defects.	are either listed on the Toxic Substa tory exemption. ical substances in this product are li tevision 1 apour. d enters airways.	sted on the National Inventory Change
ECTION 15 - REGULATORY INFO 15.1 Safety, Health and Environme ISCA Inventory (United States) NSQ Inventory (Mexico) ECTION 16 - OTHER INFORMATI Indication of changes	RMATION ental Regulations S : All chemical su or are in comp : To the best of Chemical Subs ON : Section 1 : HCode H225 H226 H304 H315 H319 H335 H336 H336 H336 H336 H336 H336 H336	Specific to the Product ubstances in this product of oliance with a TSCA Invent our knowledge, all chemi stances of Mexico. Changed item Created Safety Data Sheet – R Highly flammable liquid and va Flammable liquid and vapour. May be fatal if swallowed and Causes serious eye irritation. Causes serious eye irritation. Harmful if inhaled. May cause drowsines or dizzi May cause genetic defects. May cause genetic defects. May cause and for an	are either listed on the Toxic Substa tory exemption. ical substances in this product are li evision 1 apour. d enters airways.	sted on the National Inventory Change
ECTION 15 - REGULATORY INFO 15.1 Safety, Health and Environme ISCA Inventory (United States) NSQ Inventory (Mexico) ECTION 16 - OTHER INFORMATI Indication of changes	RMATION ental Regulations S : All chemical su or are in comp : To the best of Chemical Subs ON : Section 1 : H Code H225 H226 H304 H315 H319 H315 H319 H335 H336 H336 H330 H350 H351	Specific to the Product ubstances in this product of oliance with a TSCA Invent our knowledge, all chemi stances of Mexico. Changed item Created Safety Data Sheet – R Highly flammable liquid and va Flammable liquid and vapour. May be fatal if swallowed and Causes serious eye irritation. Causes serious eye irritation. Harmful if inhaled. May cause drowsines or dizzi May cause genetic defects. May cause genetic defects. May cause and for an	are either listed on the Toxic Substa tory exemption. ical substances in this product are li tevision 1 apour. d enters airways.	sted on the National Inventory Change
ECTION 15 - REGULATORY INFO 15.1 Safety, Health and Environme ISCA Inventory (United States) NSQ Inventory (Mexico) ECTION 16 - OTHER INFORMATI Indication of changes	RMATION ental Regulations S : All chemical su or are in comp : To the best of Chemical Subs ON : Section 1 : H Code H225 H226 H304 H315 H319 H322 H335 H336 H336 H330 H336 H330 H331 H351 H351 H351 H351 H351 H373 H401 H402	Specific to the Product ubstances in this product of oliance with a TSCA Invent our knowledge, all chemi stances of Mexico. Changed item Created Safety Data Sheet – R Highly flammable liquid and vapour. May be fatal if swallowed and Causes serious eye irritation. Causes serious eye irritation. Causes serious eye irritation. Harmful if inhaled. May cause drowsiness or dizzi May cause drowsiness or dizzi May cause drowsiness or dizzi May cause drowsiness or dizzi May cause do guaring conter. Suspected of causing conter. Suspected of causing conter. Toxic to aquatic life Harmful to aquatic life	are either listed on the Toxic Substa tory exemption. ical substances in this product are li tevision 1 apour. d enters airways.	sted on the National Inventory Change
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