

Per-Fix™ for Vinyl

Part No. See Section 1.1 (Aerosol)

Print Date: 09/10/2019 Revision Date: 10/9/2019 Supersedes Date: 8/21/2017 Issue Date: 8/21/2017 Version: 2.0 (EN)-MX Page: 1/11

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 Product	t Identifier			
Product Name		:	Per-Fix™ for Vinyl	
Manufacturer Produ	uct Number	:	6405AAA, 6405AA, 6405A, 6405B, 6405C	
1.2 Other M	Vieans of Id	entification		
Other Identifiers		:	Flaw Repair	
1.3 Relevar	nt Identifie	d Uses of the Subs	tance or Mixture and Uses Advised Agai	inst
Recommended Use		:	Touch-up coating for molded plastic parts.	
Restrictions on Use		:	None Identified	
1.4 Supplie	r Details			
			Manufacturer Details	Supplier Details
Company Name		:	Chem-Pak Inc	Chem-Pak Inc
Address		:	242 Corning Way, Martinsburg, WV 25405 - United States	242 Corning Way, Martinsburg, WV 25405 - United States
Phone Number		:	304-262-1880	304-262-1880
Fax Number		:	304-262-9643	304-262-9643
Email		:	msds@chem-pak.com	
Website		:	http://www.chem-pak.com	
1.5 24 hr Ei	mergency F	hone Number		
Emergency Number		:	ChemTel for Mexico: 800-099-0731	
ECTION 2 - H	AZARDS I	DENTIFICATION		
2.1 Classifie	cation of th	e Substance or Mi	xture	
Flam. Aerosol 1	H222	Physical Hazards	Flammable aerosols, Category 1	
Skin Irrit. 2	H315	Health Hazards	Skin corrosion/irritation, Category	/ 2
Eye Irrit. 2a	H319	Health Hazards	Serious eye damage/eye irritation	n, Category 2A
Muta. 1b	H340	Health Hazards	Germ cell mutagenicity, Category	18
Carc. 1b	H350	Health Hazards	Carcinogenicity, Category 1B	
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	
Aquatic Acute 3	H402	Environmental Hazo		
2.2 Label E	lements			
Hazard Pictograms				

	GHS02	GHS07 GHS08
Signal Word	Danger	
Hazard Statements	H222	: Extremely flammable aerosol.
	H315	: Causes skin irritation.
	H319	: Causes serious eye irritation.
	H336	: May cause drowsiness or dizziness.
	H340	: May cause genetic defects.
	H350	: May cause cancer.



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	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.
	P211	: Do not spray on an open flame or other ignition source.
	P251	: Do not pierce or burn, even after use.
	P260	: Do not breathe spray.
	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.
	P302+P352	: IF ON SKIN: Wash with plenty of 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.
	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.
	P403+P233	: Store in a well-ventilated place. Keep container tightly closed.
	P405	: Store locked up.
	P410+P412	: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
	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	10 - 30	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
Propane	74-98-6	10 - 30	Flam. Gas 1, H220 Press. Gas (Diss.), H280
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
N-Butane	106-97-8	5 - 10	Flam. Gas 1, H220 Press. Gas (Diss.), H280
Isobutane	75-28-5	5 - 10	Flam. Gas 1, H220 Press. Gas (Diss.), H280



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Substance name	CAS Number	% wt*	Classification
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	1.32	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
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

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

Eye Contact : Rinse cautiously with water for several minuterinsing. If eye irritation persists: Get medical ingestion Ingestion : Call a poison center or a doctor if you feel unerinsing. If eye irritation persists: Get medical ingestion First-Aid Responder Protection : Wear adequate personal protective equipment 4.2 Most Important Symptoms and Effects, Both Acute and Delayed Symptoms of Exposure : Eye Irritation, Nose Irritation, Throat Irritation Nausea, Narcosis, Drowsiness, Vomiting, Optimerane, Diarrhea. Delayed Effects : No known delayed effects. Immediate Effects : No known immediate effects. Chronic Effects : Repeated or prolonged contact may cause sket	
Inhalation:Remove person to fresh air and keep comformSkin Contact:Wash skin with plenty of water. Take off com advice/attention.Eye Contact:Rinse cautiously with water for several minute rinsing. If eye irritation persists: Get medicalIngestion:Call a poison center or a doctor if you feel unFirst-Aid Responder Protection:Wear adequate personal protective equipme4.2Most Important Symptoms and Effects, Both Acute and DelayedSymptoms of Exposure:Eye Irritation, Nose Irritation, Throat Irritation Nausea, Narcosis, Drowsiness, Vomiting, Opt Membrane, Diarrhea.Delayed Effects:No known immediate effects.Immediate Effects:No known immediate effects.Target Organs:Central Nervous System, Eyes, Liver, Nasal Co4.3Indication of Immediate Medical Attention and Special TreatmentNotes to Physician:Treat symptomatically.	
Skin Contact : Wash skin with plenty of water. Take off contadvice/attention. Eye Contact : Rinse cautiously with water for several minut rinsing. If eye irritation persists: Get medical Ingestion : Call a poison center or a doctor if you feel un First-Aid Responder Protection : Wear adequate personal protective equipme 4.2 Most Important Symptoms and Effects, Both Acute and Delayed Symptoms of Exposure : Eye Irritation, Nose Irritation, Throat Irritatio Nausea, Narcosis, Drowsiness, Vomiting, Opt Membrane, Diarrhea. Delayed Effects : No known delayed effects. Immediate Effects : Repeated or prolonged contact may cause sk Target Organs 4.3 Indication of Immediate Medical Attention and Special Treatment Notes to Physician : Treat symptomatically.	attention.
Eye Contact: Rinse cautiously with water for several minut rinsing. If eye irritation persists: Get medical IngestionIngestion: Call a poison center or a doctor if you feel un First-Aid Responder Protection4.2Most Important Symptoms and Effects, Both Acute and DelayedSymptoms of Exposure: Eye Irritation, Nose Irritation, Throat Irritatio Nausea, Narcosis, Drowsiness, Vomiting, Opt Membrane, Diarrhea.Delayed Effects: No known delayed effects.Immediate Effects: No known immediate effects.Chronic Effects: Repeated or prolonged contact may cause sk Target OrgansA.3Indication of Immediate Medical Attention and Special Treatment Notes to PhysicianNotes to Physician: Treat symptomatically.	able for breathing.
rinsing. If eye irritation persists: Get medical Ingestion : Call a poison center or a doctor if you feel un First-Aid Responder Protection : Wear adequate personal protective equipme 4.2 Most Important Symptoms and Effects, Both Acute and Delayed Symptoms of Exposure : Eye Irritation, Nose Irritation, Throat Irritatio Nausea, Narcosis, Drowsiness, Vomiting, Opt Membrane, Diarrhea. Delayed Effects : No known delayed effects. Immediate Effects : No known immediate effects. Chronic Effects : Repeated or prolonged contact may cause sk Target Organs : Central Nervous System, Eyes, Liver, Nasal Co 4.3 Indication of Immediate Medical Attention and Special Treatment Notes to Physician : Treat symptomatically.	aminated clothing. If skin irritation occurs: Get medical
First-Aid Responder Protection : Wear adequate personal protective equipme 4.2 Most Important Symptoms and Effects, Both Acute and Delayed Symptoms of Exposure : Eye Irritation, Nose Irritation, Throat Irritation Nausea, Narcosis, Drowsiness, Vomiting, Opt Membrane, Diarrhea. Delayed Effects : No known delayed effects. Immediate Effects : No known immediate effects. Chronic Effects : Repeated or prolonged contact may cause sk Target Organs : Central Nervous System, Eyes, Liver, Nasal Control Notes to Physician Notes to Physician : Treat symptomatically.	es. Remove contact lenses, if present and easy to do. Continue advice/attention.
4.2 Most Important Symptoms and Effects, Both Acute and Delayed Symptoms of Exposure : Eye Irritation, Nose Irritation, Throat Irritation, Nausea, Narcosis, Drowsiness, Vomiting, Opt Membrane, Diarrhea. Delayed Effects : No known delayed effects. Immediate Effects : No known immediate effects. Chronic Effects : Repeated or prolonged contact may cause sk Target Organs : Central Nervous System, Eyes, Liver, Nasal Contact 4.3 Indication of Immediate Medical Attention and Special Treatment Notes to Physician : Treat symptomatically.	well.
Symptoms of Exposure : Eye Irritation, Nose Irritation, Throat Irritation Nausea, Narcosis, Drowsiness, Vomiting, Opti Membrane, Diarrhea. Delayed Effects : No known delayed effects. Immediate Effects : No known immediate effects. Chronic Effects : Repeated or prolonged contact may cause sk Target Organs : Central Nervous System, Eyes, Liver, Nasal Control Notes to Physician Notes to Physician : Treat symptomatically.	nt based on the nature and severity of the emergency.
Membrane, Diarrhea. Delayed Effects : No known delayed effects. Immediate Effects : No known immediate effects. Chronic Effects : Repeated or prolonged contact may cause sk Target Organs : Central Nervous System, Eyes, Liver, Nasal Control Notes to Physician Notes to Physician : Treat symptomatically.	n, Dermatitis, Confusion, Skin Irritation, Headache, Dizziness,
Nausea, Narcosis, Drowsiness, Vomiting, Opt Mausea, Narcosis, Drowsiness, Vomiting, Opt Membrane, Diarrhea. Delayed Effects Immediate Effects No known delayed effects. Chronic Effects Target Organs Central Nervous System, Eyes, Liver, Nasal Co 4.3 Indication of Immediate Medical Attention and Special Treatment Notes to Physician : Treat symptomatically.	Pormatitic Confusion Chin Instation Hondroha Distinger
Immediate Effects : No known immediate effects. Chronic Effects : Repeated or prolonged contact may cause sk Target Organs : Central Nervous System, Eyes, Liver, Nasal Co 4.3 Indication of Immediate Medical Attention and Special Treatment Notes to Physician : Treat symptomatically.	
Chronic Effects : Repeated or prolonged contact may cause sk Target Organs : Central Nervous System, Eyes, Liver, Nasal Co 4.3 Indication of Immediate Medical Attention and Special Treatment Notes to Physician : Treat symptomatically.	
Target Organs : Central Nervous System, Eyes, Liver, Nasal Co 4.3 Indication of Immediate Medical Attention and Special Treatment Notes to Physician : Treat symptomatically.	
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Notes to Physician : Treat symptomatically.	vity, Reproductive System, Respiratory System, Skin, Kidneys.
Specific Treatments/Antidotes : No Information Available.	
Medical Conditions Aggravated : May aggravate personnel with pre-existing a	isorders associated with any of the Target Organs.



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	according to the NMX-R-019-SCFI-2011, according to the NOM-018-STPS-2015
5.1 Suitable Extinguishing Me	edia
Extinguishing Media	: Water, carbon dioxide, dry chemical, universal aqueous film forming foam.
Unsuitable Media	: Water jet.
5.2 Specific Hazards Arising f	rom 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	: Extremely flammable. Contents under pressure. 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	s for Fire-Fighters
Firefighting Instructions	: Use water spray to cool fire exposed aerosol 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 REL	
5.1 Personal Precautions, Pro	otective 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 Precaution	ns
Environmental Precautions	: Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.
5.3 Methods and Materials for	or Containment and Cleaning up
Containment Procedures	: Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be contained with oil/solvent absorbent pads, socks, and/or absorbents.
Cleanup Procedures	Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. 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	: Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never b incinerated or burned.
Prohibited Materials	: Combustible absorbent material such as sawdust. Use of equipment that may cause sparking.
ECTION 7 - HANDLING AND	STORAGE
7.1 Precautions for Safe Hand	dling

	8
General Handling Precautions	: KEEP OUT OF THE REACH OF CHILDREN. Avoid prolonged or repeated skin contact. Avoid breathing of vapors. Do not incinerate (burn) containers. Always replace overcap when not in use. Avoid use around open flames or other sources of ignition. Exposure to heat or prolonged exposure to sun may cause can to burst. Use only with adequate ventilation, opening doors or windows to achieve cross-ventilation.
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	ge Including Any Incompatibilities
Storage Requirements	: Storage of individual cans should be done in an area below 55°C (120 °F), and away from heat sources. Ensure can is in a secure place to prevent knocking over and accidental rupture.
Incompatibilities	: Segregate storage away from materials indicated in Section 10.



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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Paramete	irs	
N-Butane (106-97-8)		
NOM-010-STPS-1999	LMPE-PPT (mg/m3)	1900 mg/m³
NOM-010-STPS-1999	LMPE-PPT (ppm)	800 ppm
NOM-010-STPS-2014	VLE-CT (ppm)	1000 ppm
USA (ACGIH)	ACGIH TWA (mg/m ³)	1000 ppm
USA (ACGIH)	ACGIH (mg/m ³)	1000 ppm
		1000 ppm
Propane (74-98-6)		1000
NOM-010-STPS-2014	VLE-CT (ppm)	1000 ppm
Isobutane (75-28-5)		
NOM-010-STPS-2014	VLE-CT (ppm)	1000 ppm
USA (ACGIH)	ACGIH TWA (mg/m³)	1000 ppm
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/m ³)	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/m ³
NOM-010-STPS-1999	LMPE-CT (ppm)	300 ppm
NOM-010-STPS-2014	VLE-PPT (ppm)	300 ppm
NOM-010-STPS-2014	VLE-FF (ppm)	200 ppm
USA (ACGIH)	ACGIH TWA (mg/m ³)	
		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/m³)	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 150 ppm
NOM-010-STPS-2014	VLE-PP (ppm)	100 ppm
USA (ACGIH) USA (ACGIH)	ACGIH TWA (mg/m ³) ACGIH Ceiling (mg/m ³)	100 ppm
Biological Exposure Index	Methylhippuric Acid in Urine (Post Shift), End of shift	150 ppm
5 1	אינגוואווואאטער אטע זוו טרווויב (2011 אווער), בווע טן גדווןנ	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/m³
NOM-010-STPS-1999	LMPE-CT (ppm)	125 ppm
USA (ACGIH)	ACGIH TWA (mg/m³)	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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USA (A	(GIH)	ACGIH TWA (mg/m³)	25 ppm
	com		25 ppm
8.2	Exposure Controls		
Enginee	ering Measures	: Use only with adequate ventilation. General ventilation (Ventilation rates should be matched to conditions. Local may be necessary to control air contamination below the	exhaust ventilation or an enclosed handling system
Persona	al Protective Equipment		
Eye	e / Face Protection	: Safety glasses with side shields are recommended as a m Where eye contact with this material could occur, chemi	
Ha	nd Protection	: Chemical-resistant gloves, tested according to EN 374.	
	Remarks	: Choose gloves to protect hands against chemicals depen hazardous substance and specific to the place of work.	ding on the concentration and quantity of the
Ski	n and Body Protection	: For brief contact, no precautions other than clean body- or repeated contact could occur, use protective clothing	
Res	spiratory Protection	: An approved respirator with an organic vapor cartridge where airborne concentrations are expected to exceed or appropriate NIOSH approved respirator.	
	Compliance	: If needed, wear an appropriate NIOSH approved respirat	tor.
Oth	her Protective Equipment	: Safety showers and eye-wash stations should be available used.	le in the workplace near where the material will be
Environ	mental Exposure Controls	: Avoid release to the environment.	

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

oiling Point	> 56.90 ℃	Melting / Freezing Point	> -98.00 °C
Flash Point, Liquid	> -20.00 °C	Flash Point, Propellant	-104.44 °C
Explosive Limits	LEL: 0.80 UEL: 24.60 vol %	Autoignition Temperature, Liquid	> 190.00 °C
Flammability	Extremely Flammable Aerosol	Density	0.760 g/cm³
Molecular Weight	Not Available	Weight	6.342 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	Pressurized Product	Heat Of Combustion	13597.97 BTU/lb
Appearance / Color	Clear, Colourless	Water Solubility	Not Available
Odor	Paint-like	Decomposition Temperature	Not Available
9.2 Environmental Pro	perties		
Percent Volatile	93.17 % wt	VOC Regulatory	707.77 g/L (5.91 lbs/gal)
Percent VOC	92.09 % wt	VOC Actual	699.88 g/L (5.84 lbs/gal)
Percent HAP	33.44 % wt	HAP Content	254.14 g/L (2.12 lbs/gal)
Global Warming Potential	0.79 GWP	Maximum Incremental Reactivity	2.0010 g O3/g
Ozone Depletion Potential	0.00 ODP		

10.1 Reactivity

Reactivity

: No specific test data related to reactivity is available for this products or its ingredients.

10.2 Chemical Stability

Chemical Stability

: This product is stable.



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10.3	Possibility of Hazardous I	Reactions
	us Reactions	: Under normal conditions of storage and use, hazardous reactions are not expected to occur.
		· · · · · · · · · · · · · · · · · ·
10.4	Conditions to Avoid	
Conditio	ns to Avoid	: Electrostatic Discharge, Other Ignition Sources, Hot Surfaces, Heat, Flames, Sparks, Strong Heating.
10.5	Incompatible Materials	
	s to Avoid	: Strong Oxidizing Agents, Strong Reducing Agents, Alkali Metals, Strong Acids, Aluminum, Potassium t- Butoxide, Halogen Compounds, 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 Decompositio	n Products
Thermal	Decomposition	: Oxides of carbon, Aldehydes, Methanol, Acetic Acid, Peroxybenzoic Acid, Benzoic Acid.
SECTIO	N 11 - TOXICOLOGICA	
JECHO		
11.1	Information on Toxicolog	ical Effects
	e (CAS: 106-97-8 / EC: 203-448-7)	
	alation (Rat)	658 mg/l/4h (ChemInfo)
LC50 Inh	alation (Rat)	276000 ppm/4h (ChemInfo)
Propane	(CAS: 74-98-6 / EC: 200-827-9)	
LC50 Inh	alation (Rat)	658 mg/l/4h (Lit.)
Isobutan	ne (CAS: 75-28-5 / EC: 200-857-2)	
	alation (Rat)	368000 ppm/4h (ChemInfo)
-	etate (CAS: 141-78-6 / EC: 205-50	
LD50 Ord		5620 mg/kg (RTECS)
	rmal (Rabbit)	> 18000 mg/kg (Sigma-Aldrich)
LC50 Inh	alation (Rat)	10600 ppm/4h (ChemInfo)
Methyl E	Ethyl Ketone (CAS: 78-93-3 / EC: 2)1-159-0)
LD50 Ord	al (Rat)	2737 mg/kg (Sigma-Aldrich)
LD50 De	rmal (Rabbit)	6480 mg/kg (RTECS)
LC50 Inh	alation (Rat)	205 mg/l/4h (ChemInfo)
LC50 Inh	alation (Rat)	30200 ppm/4h (ChemInfo)
Toluene	(CAS: 108-88-3 / EC: 203-625-9)	
LD50 Ord		> 2000 mg/kg (Lit.)
	rmal (Rabbit)	12124 mg/kg (IUCLID)
LC50 Inh	alation (Rat)	> 20 mg/l/4h (Lit.)
Xulene (CAS: 1330-20-7 / EC: 215-535-7)	
LD50 Ord		4300 mg/kg (RTECS)
	rmal (Rabbit)	12126 mg/kg (Sigma-Aldrich)
	alation (Rat)	21.7 mg/l/4h (GESTIS Substance Database)
	alation (Rat)	6700 ppm/4h (ChemInfo)
-	nzene (CAS: 100-41-4 / EC: 202-84	
LD50 Ord	()	4720 mg/kg (ChemInfo)
	LD50 Dermal (Rabbit) 15380 mg/kg (ChemInfo)	
	.C50 Inhalation (Rat) 17.2 mg/l/4h (IUCLID) 4000 mm/dh (Cham/afa)	
LC50 Inh	alation (Rat)	4000 ppm/4h (ChemInfo)
Light Arc	omatic Solvent Naphtha (CAS: 64)	'42-95-6 / EC: 265-199-0)
	al (Pat)	8400 mg/kg (RTECS)
LD50 Ord		



Part No. See Section 1.1 (Aerosol)

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	ccording to the NMX-R-019-SCFI-2011,according t	o the NOM-018-STPS-2015	
Light Aromatic Solvent Naphtha (CAS: 64742-95-6 / I	EC: 265-199-0)		
LC50 Inhalation (Rat)	3670 ppm/4h (Lit.)		
1,2,4-Trimethyl Benzene (CAS: 95-63-6 / EC: 202-436-	-9)		
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 dizzines	5.	
STOT-Repeated Exposure	eated Exposure : May cause damage to organs through prolonged or repeated exposure.		
Aspiration Hazard	: Not classified		
Vaporizer	: Aerosol		
Carcinogen Data	: The following ingredients are liste	d 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	

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Ecotoxicity and Ecological Properties

n-Butane (106-97-8)			
Persistence and Degradibility	Readily biodegradable in water.		
Bioconcentration Factor	33.52		
Log Pow	2.89		
Bioacculative Potential	Low potential for bioaccumulation (Log Kow < 4).		
Log Koc	1.641		
Propane (74-98-6)			
Persistence and Degradibility	Readily biodegradable in water. Not applicable (gas). Photodegradation in the air.		
BCF Fish	9 - 25 (BCF)		
Log Pow	2.28 (Calculated)		
Bioacculative Potential	Low potential for bioaccumulation (Log Kow < 4).		
Isobutane (75-28-5)			
Persistence and Degradibility	Readily biodegradable in water. Biodegradable in the soil. Not applicable (gas).		
BCF Fish	26.62		
Log Pow	2.76		
Bioacculative Potential	Low potential for bioaccumulation (BCF < 500).		
Log Koc	1.545		
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 g O₂/g substance		
Chemical Oxygen Demand	1.69 g O_2/g substance		
Theoretical Oxygen Demand	$1.82 \text{ g } O_2/\text{g substance}$		



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Ethyl Acetate (141-78-6)			
Biodegration	100 % 28 Days		
BCF Fish	30		
Log Pow	0.73		
Bioacculative Potential	Low potential for bioaccumulation (BCF < 500).		
Log Koc	0.778		
Mathul Ethyl Katana (78 02 2)			
Methyl Ethyl Ketone (78-93-3) LC50 Fish	3130 - 3320 mg/l Fathead Minnow - 96h		
EC50 Pish EC50 Daphnia	7060 mg/l Water Flea - 24hr		
	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic		
Persistence and Degradibility	conditions.		
Biochemical Oxygen Demand	$2.03 \text{ g } O_2/\text{g substance}$		
Chemical Oxygen Demand	$2.31 \text{ g } O_2/\text{g substance}$		
Theoretical Oxygen Demand	2.44 g O₂/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 Кос	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 g O_2/g substance		
Theoretical Oxygen Demand	$3.13 \text{ g } O_2/\text{g substance}$		
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	$1.40 - 2.53 \text{ g } O_2/\text{g substance}$		
Chemical Oxygen Demand	$2.56 - 2.91 \text{ g } O_2/\text{g substance}$		
Theoretical Oxygen Demand	$3.1 \text{ g } 0_2/\text{g substance}$		
BCF Fish	14.1 - 24 (BCF)		
Log Pow	3.217		
Bioacculative Potential	Low potential for bioaccumulation (BCF < 500).		
Log Koc	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	$2.1 \text{ g } 0_2/\text{g substance}$		
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		
-			
Light Aromatic Solvent Naphtha (64742-95-6)			
LC50 Fish	18 mg/l (LC50)		



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Light Aromatic Solvent Naphtha (64742-95-	6)			
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	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).			
Log Koc	3.04 (log Koc, Calculated value)			

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Metho	ds
Waste Disposal	: Characteristics and waste stream classification can change with product use and location. 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 must be disposed of in compliance with the respective national, federal, state, and/or local regulations.
Waste Disposal Of Packaging	: For disposal of large containers (typically 10 gallons or larger), or for containers not suitable for landfill, a licensed reconditioner should be used. Consult with your local landfill to determine if empty small containers can be disposed of along with regular trash pickup.
Landfill Precautions	: Not Available.
Incineration Precautions	: ** DO NOT INCINERATE ** CONTENTS UNDER PRESSURE **.

SECTION 14 - TRANSPORTATION INFORMATION

14.1	UN Number		NOM-002-SLT (MEXICO)	IATA (AIR)	IMDG (OCEAN)
UN Num	ber	:	UN1950	UN1950	UN1950
14.2	UN Proper Shipping Name		NOM-002-SLT (MEXICO)	IATA (AIR)	IMDG (OCEAN)
UN Prop	er Shipping Name	:	Aerosols, Limited Quantity	Aerosols, Flammable, Limited Quantity	Aerosols, Limited Quantity
14.3	Transport Hazard Class(es)		NOM-002-SLT (MEXICO)	IATA (AIR)	IMDG (OCEAN)
Transport Hazard Class(es) Labels Limited Quantity EmS Code		:	2.1	2.1	2.1
		:	None	2.1 - Flammable gas	None
		:	Yes	able Not Applicable	Yes F-D, S-U
		:	Not Applicable		
14.4	Packing Group		NOM-002-SLT (MEXICO)	IATA (AIR)	IMDG (OCEAN)
Packing Group		:	None	None	None
14.5	Environmental Hazards			IATA (AIR)	IMDG (OCEAN)
Marine F	Pollutant	:	No	No	No



Part No. See Section 1.1 (Aerosol)

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L4.6 Special Precautions	New March		
Precautions	: None Identifie	d	
14.7 Transport in Bulk Accordin	g to Annex II of Mar	ool and the IBC Code	
Remarks	: Not applicable	for product as supplied	
ECTION 15 - REGULATORY IN	FORMATION		
15.1 Safety, Health and Enviror	mental Regulations	Specific to the Product	
SCA Inventory (United States)		ıbstances in this product are either listed on the Toxic Subs liance with a TSCA Inventory exemption.	tances Control Act (TSCA) Inventor
NSQ Inventory (Mexico)		our knowledge, all chemical substances in this product are tances of Mexico.	listed on the National Inventory og
CTION 16 - OTHER INFORM	TION		
ndication of changes	Section	Changed item	Change
	1	Revision date	Modified
	1	Supersedes	Modified
	2.1	GHS-US classification	Modified
	2.2	Hazard statements (GHS US) Precautionary statements (GHS US)	Modified Modified
	3	Composition/information on ingredients	Modified
	4	Symptoms/effects after skin contact	Modified
	6	Emergency procedures	Modified
	6	Environmental precautions	Modified
	7.1	Precautions for safe handling	Modified
	7.1	Hygiene measures Density	Modified Modified
	9	Auto-ignition temperature	Modified
	9	Boiling point	Modified
	9	Flash point	Modified
	9	Melting point Relative vapour density at 20 °C	Modified Added
	9	Relative vapour density at 20 C	Added
ull Text of H-Statements	: H Code	H Phrase	
	H222 H225	Extremely flammable aerosol. Highly flammable liquid and vapour.	
	H225	Flammable liquid and vapour.	
	H304	May be fatal if swallowed and enters airways.	
	H315	Causes skin irritation.	
	H319	Causes serious eye irritation.	
	H332 H335	Harmful if inhaled. May cause respiratory irritation.	
	H336	May cause drowsiness or dizziness.	
	H340	May cause genetic defects.	
	H350	May cause cancer.	
	H361 H373	Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.	
	H373 H401	Toxic to aquatic life	
	H402	Harmful to aquatic life	
	H411	Toxic to aquatic life with long lasting effects.	
		Disclaimer of Liability	

be unfamiliar, we do not assume any responsibility for the results of buckets to be policition. This information is furnished upon the condition that the persons receiving it shall make their own determinations of the suitability of the material for any particular use. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist.