

Citrus FG

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1 - IDENTIFICATION

1.1 Product Identifier

Product Name : Citrus FG
Manufacturer Product Number : 1277-5 & 1277-55

1.2 Other Means of Identification

Other Identifiers : 5 & 55 Gallon

1.3 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use : Food grade degreaser and cleaner.
Restrictions on Use : None Identified

1.4 Supplier 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	msds@chem-pak.com
Website	http://www.chem-pak.com	http://www.chem-pak.com

1.5 24 hr Emergency Phone Number

Emergency Number : 800-255-3924
Chem-Tel

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Flam. Liq. 2	H225	Physical Hazards	Flammable liquids Category 2
Skin Irrit. 2	H315	Health Hazards	Skin corrosion/irritation Category 2
Skin Sens. 1	H317	Health Hazards	Skin sensitization, Category 1
Carc. 2	H351	Health Hazards	Carcinogenicity Category 2
Asp. Tox. 1	H304	Health Hazards	Aspiration hazard Category 1
Aquatic Acute 1	H400	Environmental Hazards	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	H410	Environmental Hazards	Hazardous to the aquatic environment - Chronic Hazard Category 1

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
H317 : May cause an allergic skin reaction
H351 : Suspected of causing cancer
H400 : Very toxic to aquatic life

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Precautionary Statements	H410	: Very toxic to aquatic life with long lasting effects
	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 precautionary measures against static discharge.
	P261	: Avoid breathing vapors.
	P264	: Wash hands thoroughly after handling.
	P272	: Contaminated work clothing must not be allowed out of the workplace
	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/shower
	P308+P313	: If exposed or concerned: Get medical advice/attention.
	P331	: Do NOT induce vomiting.
	P333+P313	: If skin irritation or rash occurs: Get medical advice/attention.
	P362+P364	: Take off contaminated clothing and wash it before reuse.
	P363	: Wash contaminated clothing before reuse.
	P370+P378	: In case of fire: Use water, CO2, dry chemical, or universal aqueous film forming foam to extinguish.
	P391	: Collect spillage.
	P403+P235	: Store in a well-ventilated place. Keep cool.
	P405	: Store locked up.
	P501	: Dispose of contents/container to local regulations

2.3 Other Hazards Which Do Not Result In Classification

Hazards Not Otherwise Classified : None Identified.

2.4 Unknown acute toxicity

32.99% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance / Mixture

Substance / Mixture : Mixture

3.2 Composition

Substance name	CAS Number	% wt*	Classification
Hydrotreated Heavy Petroleum Naphtha	64742-48-9	30 - 60	Flam. Liq. 3, H226 Asp. Tox. 1, H304
D-Limonene	5989-27-5	30 - 60	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Ethanol	64-17-5	5 - 10	Flam. Liq. 2, H225 Eye Irrit. 2A, H319
Nonylphenoxy Poly(Ethyleneoxy) Ethanol	68412-54-4	1 - 5	Acute Tox. 4 (Oral), H302 Aquatic Acute 2, H401



SAFETY DATA SHEET

Part No. 1277-5 & 1277- 55
(Liquid)

Print Date: 17/09/2018
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Substance name	CAS Number	% wt*	Classification
Methyl Isobutyl Ketone	108-10-1	0.1 - 1	Flam. Liq. 2, H225 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:vapour), H332 Eye Irrit. 2A, H319 Carc. 2, H351 STOT SE 3, H335

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-Aid 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. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
Eye Contact	: Rinse eyes with water as a precaution.
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.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms of Exposure	: Eye Irritation, Nose Irritation, Throat Irritation, Dermatitis, Skin Irritation, Headache, Dizziness, Nausea, Narcosis, Upper Respiratory Tract Irritation, Drowsiness, Vomiting, Optical Nerve Damage, Cough.
Delayed Effects	: No known delayed effects.
Immediate Effects	: No known immediate effects.
Chronic Effects	: Methyl alcohol may be fatal or cause blindness if swallowed.
Target Organs	: Central Nervous System, Eyes, Gastrointestinal Tract, Liver, 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	: May aggravate personnel with pre-existing disorders associated with any of the Target Organs.

SECTION 5 - FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media

Extinguishing Media	: Water, carbon dioxide, dry chemical, universal aqueous film forming foam.
Unsuitable Media	: Water.

5.2 Specific Hazards Arising from the Chemical or Mixture

Hazardous Combustion Products	: Decomposition products may include: oxides of carbon, smoke, vapors. 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. Vapors 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.

SECTION 6 - ACCIDENTAL RELEASE MEASURES



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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 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

- 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.
- Prohibited Materials** : Combustible absorbent material such as sawdust. Use of equipment that may cause sparking.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling

- General Handling Precautions** : KEEP OUT OF THE REACH OF CHILDREN. When using in spray application, conformance to NFPA 33 Spray Application using Flammable and Combustible Materials is recommended.
- 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 Storage 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.
- Incompatibilities** : Segregate storage away from materials indicated in Section 10.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

D-Limonene (5989-27-5)

AIHA	WEEL TWA (ppm)	30 ppm
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Ethanol (64-17-5)

ACGIH	ACGIH Ceiling (mg/m ³)	1000 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	1900 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
NIOSH	US IDLH (ppm)	3300 ppm
NIOSH	NIOSH REL (TWA) (mg/m ³)	1900
NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm
California	California PEL (TWA) (mg/m ³)	1900 mg/m ³
California	California PEL (TWA) (ppm)	1000 ppm

Methyl Isobutyl Ketone (108-10-1)

ACGIH	ACGIH TWA (mg/m ³)	20 ppm
ACGIH	ACGIH Ceiling (mg/m ³)	75 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	410 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm
OSHA	OSHA PEL (STEL) (mg/m ³)	300 mg/m ³
OSHA	OSHA PEL (STEL) (ppm)	75 ppm
NIOSH	NIOSH REL (TWA) (mg/m ³)	205 mg/m ³
NIOSH	NIOSH REL (TWA) (ppm)	50 ppm



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Methyl Isobutyl Ketone (108-10-1)

California	California PEL (TWA) (mg/m ³)	205 mg/m ³
California	California PEL (TWA) (ppm)	50 ppm
California	California PEL (STEL) (mg/m ³)	300 mg/m ³
California	California PEL (STEL) (ppm)	75 ppm
Biological Exposure Index	MIBK in urine, End of shift	2 mg/l

8.2 Exposure Controls

Engineering Measures

: Use only with adequate ventilation. General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest OEL from the table above.

Personal Protective Equipment

Eye / Face Protection

: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.

Hand Protection

: Chemical-resistant gloves, tested according to ASTM F903 - 17.

Remarks

: Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to the place of work.

Skin and Body Protection

: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.

Respiratory Protection

: An approved respirator with an organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits.

Compliance

: If needed, compliance with OSHA standard 29 CFR 1910.134 is necessary.

Other Protective Equipment

: Safety showers and eye-wash stations should be available in the workplace near where the material will be used.

Environmental Exposure Controls

: Avoid release to the environment.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Properties

Boiling Point	> 78.00 °C	Melting / Freezing Point	> -113.80 °C
Flash Point, Liquid	> 14.00 °C		
Explosive Limits	LEL: 0.60 UEL: 19.00 vol %	Autoignition Temperature, Liquid	> 204.00 °C
Flammability	Highly Flammable Liquid	Density	0.795 g/cm ³
Molecular Weight	Not Available	Weight	6.634 lbs/gal
Vapor Pressure	Not Available	pH	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, Colorless	Water Solubility	Not Available
Odor	Citrus Odor	Decomposition Temperature	Not Available

9.2 Environmental Properties

Percent Volatile	97.01 % wt	VOC Regulatory	770.81 g/L (6.43 lbs/gal)
Percent VOC	97.01 % wt	VOC Actual	771.20 g/L (6.44 lbs/gal)
Percent HAP	0.61 % wt	HAP Content	4.85 g/L (0.04 lbs/gal)
Global Warming Potential	0.01 GWP	Maximum Incremental Reactivity	1.9800 g O3/g
Ozone Depletion Potential	0.00 ODP		

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

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



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10.2 Chemical Stability

Chemical Stability : This product is stable.

10.3 Possibility of Hazardous Reactions

Hazardous Reactions : Under normal conditions of storage and use, hazardous reactions are not expected to occur.

10.4 Conditions to Avoid

Conditions to Avoid : Electrostatic Discharge, Other Ignition Sources, Heat, Flames, Sparks.

10.5 Incompatible Materials

Materials to Avoid : Strong Oxidizing Agents, Strong Reducing Agents, Alkali Metals, Strong Acids, Potassium t-Butoxide, Hydrogen Peroxide.

10.6 Hazardous Decomposition Products

Thermal Decomposition : Oxides of carbon, Unstable peroxides, Formaldehyde.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Nonylphenoxy Poly(Ethyleneoxy) Ethanol (CAS: 68412-54-4 / EC:)

LD50 Oral (Rat)	2000 mg/kg (External SDS)
LD50 Dermal (Rabbit)	4400 mg/kg (Sigma-Aldrich)

D-Limonene (CAS: 5989-27-5 / EC: 227-813-5)

LD50 Oral (Rat)	4400 mg/kg (RTECS)
LD50 Dermal (Rabbit)	> 5000 mg/kg (RTECS)

Hydrotreated Heavy Petroleum Naphtha (CAS: 64742-48-9 / EC: 265-150-3)

LD50 Oral (Rat)	> 6000 mg/kg (RTECS)
LD50 Dermal (Rat)	> 5000 mg/kg (MERCK)
LC50 Inhalation (Rat)	8500 mg/m ³ (RTECS)

Ethanol (CAS: 64-17-5 / EC: 200-578-6)

LD50 Oral (Rat)	10740 mg/kg (MERCK)
LD50 Dermal (Rabbit)	> 15800 mg/kg (ChemInfo)
LC50 Inhalation (Rat)	124.7 mg/l/4h (MERCK)
LC50 Inhalation (Rat)	32380 ppm/4h (ChemInfo)

Methyl Isobutyl Ketone (CAS: 108-10-1 / EC: 203-550-1)

LD50 Oral (Rat)	2080 mg/kg (RTECS)
LD50 Dermal (Rat)	>= 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)
LD50 Dermal (Rabbit)	> 16000 mg/kg (Sigma-Aldrich)
LC50 Inhalation (Rat)	11.6 mg/l/4h (MERCK)
LC50 Inhalation (Rat)	2000 - 4000 ppm/4h (ChemInfo)

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 : Not classified

Respiratory or Skin Sensitization : May cause an allergic skin reaction.

Germ Cell Mutagenicity : Not classified

Reproductive Toxicity : Not classified

STOT-Single Exposure : Not classified

STOT-Repeated Exposure : Not classified

Aspiration Hazard : May be fatal if swallowed and enters airways.



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Carcinogen Data

: The following ingredients are listed as known or suspected carcinogens:

Methyl Isobutyl Ketone (CAS: 108-10-1 / EC: 203-550-1)

IARC group

2B - Possibly Carcinogenic to Humans

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Ecotoxicity and Ecological Properties

Nonylphenoxy Poly(Ethyleneoxy) Ethanol (68412-54-4)

LC50 Fish	7.9 mg/l Bluegill Sunfish - 96h
EC50 Daphnia	2.44 mg/l Water Flea - 48hr

d-Limonene (5989-27-5)

LC50 Fish	720 µg/l Fathead Minnow - 96h
EC50 Daphnia	0.36 mg/l Water Flea - 48hr
Persistence and Degradability	Biodegradability 70% / 28 days.
Theoretical Oxygen Demand	3.29 g O ₂ /g substance
BCF Fish	864.8 - 1022 (BCF; Pisces)
Log Pow	4.38 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 37 °C)
Bioaccumulative Potential	Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).
Log Koc	Koc, SRC PCKOCWIN v2.0; 1120 - 6324; QSAR

Hydrotreated Heavy Petroleum Naphtha (64742-48-9)

Bioaccumulative Potential	Bioaccumable.
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Ethanol (64-17-5)

LC50 Fish	14200 mg/l Fathead Minnow - 96h
EC50 Daphnia	9268 - 14221 mg/l Water Flea - 48hr
Persistence and Degradability	Biodegradability 94% / 28 days.
Biochemical Oxygen Demand	0.8 - 0.967 g O ₂ /g substance
Chemical Oxygen Demand	1.7 g O ₂ /g substance
Theoretical Oxygen Demand	2.1 g O ₂ /g substance
Log Pow	-0.35 (Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 24 °C)
Bioaccumulative Potential	Low potential for bioaccumulation (Log Kow < 4).

Methyl Isobutyl Ketone (108-10-1)

LC50 Fish	> 179 mg/l Zebra Fish - 96hr
EC50 Daphnia	1550 - 3623 mg/l Water Flea - 24hr
EC50 Other Aquatic Organisms	980 - 2000 mg/l Green Algae - 48hr
Persistence and Degradability	Biodegradability 79% / 28 days.
Biochemical Oxygen Demand	2.06 g O ₂ /g substance
Chemical Oxygen Demand	2.16 g O ₂ /g substance
Theoretical Oxygen Demand	2.72 g O ₂ /g substance
BCF Fish	2 - 5 (BCF)
Log Pow	1.9 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Bioaccumulative Potential	Low potential for bioaccumulation (BCF < 500).
Log Koc	Koc, 101.85; Weight of evidence; Calculated value; log Koc; 2.008; Weight of evidence; Calculated value

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.

Waste Disposal Of Packaging

: Consult with your local landfill to determine if empty small containers can be disposed of along with regular 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.



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Landfill Precautions : Not Available.
Incineration Precautions : Not Available.

SECTION 14 - TRANSPORTATION INFORMATION

14.1 UN Number	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Number	: UN1993	UN1993	UN1993

14.2 UN Proper Shipping Name	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Proper Shipping Name	: Flammable Liquid, NOS (Contains Petroleum Naphtha & D-Limonene)	Flammable Liquid, NOS (Contains Petroleum Naphtha & D-Limonene)	Flammable Liquid, NOS (Contains Petroleum Naphtha & D-Limonene)

14.3 Transport Hazard Class(es)	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Transport Hazard Class(es)	: 3	3	3
Labels	: 3 - Flammable liquid 	3 - Flammable liquid 	3 - Flammable liquid 
EmS Code	: Not Applicable	Not Applicable	F-E, S-E

14.4 Packing Group	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Packing Group	: II	II	II

14.5 Environmental Hazards	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Marine Pollutant	: No	No	No

14.6 Special Precautions
Precautions : None Identified

14.7 Transport in Bulk
Remarks : Not applicable for product as supplied

SECTION 15 - REGULATORY INFORMATION

15.1 Federal Regulations

SARA Section 313 : Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

1,4-Dioxane	CAS-No. 123-91-1	< 1%
Ethylene Oxide	CAS-No. 75-21-8	< 1%
Methyl Isobutyl Ketone	CAS-No. 108-10-1	< 1%
Methanol	CAS-No. 67-56-1	< 1%

TSCA Section 12(b) : This product or mixture is not known to contain a chemical or chemicals subject to the export notification requirements of section 12(b) of the Toxic Substances Control Act (TSCA) and 40 CFR Part 707, subpart D

CERCLA Reportable Quantity : Chemical(s) subject to reporting requirements of Section 102 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) if released to the environment at or above the reportable quantity

1,4-Dioxane	CAS-No. 123-91-1	100 lb
Ethylene Oxide	CAS-No. 75-21-8	10 lb
Methyl Isobutyl Ketone	CAS-No. 108-10-1	5000 lb
Methanol	CAS-No. 67-56-1	5000 lb
Ethyl Acetate	CAS-No. 141-78-6	5000 lb

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15.2 State Regulations

California Proposition 65

: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

1,4-Dioxane (123-91-1)	Cancer	Yes	0.003 %
Ethylene Oxide (75-21-8)	Cancer	Yes	0.003 %
Methyl Isobutyl Ketone (108-10-1)	Cancer	Yes	0.2 %
Ethylene Oxide (75-21-8)	Developmental Toxicity	Yes	0.003 %
Methyl Isobutyl Ketone (108-10-1)	Developmental Toxicity	Yes	0.2 %
Methanol (67-56-1)	Developmental Toxicity	Yes	0.4 %
Ethylene Oxide (75-21-8)	Reproductive Toxicity, Female	Yes	0.003 %
Ethylene Oxide (75-21-8)	Reproductive Toxicity, Male	Yes	0.003 %
1,4-Dioxane (123-91-1)	No significance risk level (NSRL)	30	
Ethylene Oxide (75-21-8)	No significance risk level (NSRL)	2	

State Right-to-Know Lists

: The following chemical(s) appear on one or more state RTK (Right to Know) lists as indicated

1,4-Dioxane (123-91-1)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Ethylene Oxide (75-21-8)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Ethanol (64-17-5)	U.S. - New Jersey - Right to Know Hazardous Substance List
Methyl Isobutyl Ketone (108-10-1)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
n-Heptane (142-82-5)	U.S. - New Jersey - Right to Know Hazardous Substance List
Methanol (67-56-1)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Ethyl Acetate (141-78-6)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16 - OTHER INFORMATION

Indication of changes

Section	Changed item	Change
1	Revision date	Modified
1	Date of issue	Modified
1	Name	Modified
4	Symptoms/effects after skin contact	Modified
4.1	First-aid measures after skin contact	Modified
4.1	First-aid measures after inhalation	Modified
4.1	First-aid measures after eye contact	Modified
4.1	First-aid measures after ingestion	Modified
8.2	Respiratory Protection	Modified
9	Relative vapor density at 20 °C	Modified
9	Melting point	Modified
9	Flash point	Modified
9	Explosive limits (vol %)	Modified
9	Boiling point	Modified
9	Auto-ignition temperature	Modified
9	Specific gravity / density	Modified
12.1	Ecology - general	Modified
14	Proper Shipping Name	Modified
15	Select the Appropriate Proposition 65 Notice	Modified

Full Text of H-Statements

H Code	H Phrase
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects



SAFETY DATA SHEET

Part No. 1277-5 & 1277- 55
(Liquid)

Citrus FG

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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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