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SECTION 1 - IDENTIFICATION

1.1 Product Identifier

Product Name : *Eastwood Internal Flame Coating*
 Supplier Product Numbers : *12515Z*

1.2 Other Means of Identification

Other Identifiers : *Not Available*

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

Recommended Use : *Rust preventative*
 Restrictions on Use : *None Identified*

1.4 Supplier Details

Supplier Details	
Company Name	
Address	<i>The Easthill Group, Inc./The Eastwood Company 263 Shoemaker Road, Pottstown, PA 19464 - United States</i>
Phone Number	<i>800-343-9353</i>
Website	<i>www.eastwood.com</i>
	Permanent Painted Coatings Unit 1 / 4 Prosperity Parade WARRIEWOOD NSW 2102 02 9999 0122

1.5 24 hr Emergency Phone Number

Emergency Number : *800-424-9300 ChemTrec*

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

<i>Flam. Aerosol 1</i>	<i>H222</i>	<i>Physical Hazards</i>	<i>Flammable aerosol Category 1</i>
<i>Press. Gas (Diss.)</i>	<i>H280</i>	<i>Physical Hazards</i>	<i>Gases under pressure Dissolved gas</i>
<i>Eye Irrit. 2</i>	<i>H319</i>	<i>Health Hazards</i>	<i>Serious eye damage/eye irritation Category 2</i>
<i>Repr. 2</i>	<i>H361</i>	<i>Health Hazards</i>	<i>Reproductive toxicity Category 2</i>
<i>Stot Se 3</i>	<i>H336</i>	<i>Health Hazards</i>	<i>Specific target organ toxicity (single exposure) Category 3</i>
<i>Stot Re 2</i>	<i>H373</i>	<i>Health Hazards</i>	<i>Specific target organ toxicity (repeated exposure) Category 2</i>
<i>Aquatic Acute 2</i>	<i>H401</i>	<i>Environmental Hazards</i>	<i>Hazardous to the aquatic environment - Acute Hazard Category 2</i>
<i>Aquatic Chronic 1</i>	<i>H410</i>	<i>Environmental Hazards</i>	<i>Hazardous to the aquatic environment - Chronic Hazard Category 1</i>

2.2 Label Elements

Hazard Pictograms



Signal Word

Danger

Hazard Statements

H222 : *Extremely flammable aerosol*
H280 : *Contains gas under pressure; may explode if heated*
H319 : *Causes serious eye irritation*
H336 : *May cause drowsiness or dizziness*
H361 : *Suspected of damaging fertility or the unborn child*
H373 : *May cause damage to organs through prolonged or repeated exposure*

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Precautionary Statements	<p>H401 : Toxic to aquatic life</p> <p>H410 : Very toxic to aquatic life with long lasting effects</p> <p>P202 : Do not handle until all safety precautions have been read and understood.</p> <p>P210 : Keep away from heat/sparks/open flames/hot surfaces. - No smoking.</p> <p>P211 : Do not spray on an open flame or other ignition source.</p> <p>P251 : Pressurized container: Do not pierce or burn, even after use.</p> <p>P260 : Do not breathe spray.</p> <p>P264 : Wash hands thoroughly after handling.</p> <p>P271 : Use only outdoors or in a well-ventilated area.</p> <p>P273 : Avoid release to the environment.</p> <p>P280 : Wear protective gloves and eye protection.</p> <p>P304+P340 : If inhaled: Remove person to fresh air and keep comfortable for breathing</p> <p>P305+P351+P338 : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</p> <p>P308+P313 : If exposed or concerned: Get medical advice/attention.</p> <p>P314 : Get medical advice/attention if you feel unwell.</p> <p>P337+P313 : If eye irritation persists: Get medical advice/attention.</p> <p>P391 : Collect spillage.</p> <p>P403 : Store in a well-ventilated place.</p> <p>P410+P412 : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.</p> <p>P501 : Dispose of contents/container to local regulations</p>
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2.3 Other Hazards Which Do Not Result In Classification

Hazards Not Otherwise Classified : None Identified.

2.4 Unknown acute toxicity

54.34% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
 58.54% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
 28.54% 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
Dimethyl Ether	115-10-6	30 - 60	Flam. Gas 1, H220 Press. Gas (Diss.), H280
Acetone	67-64-1	10 - 30	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Zinc Phosphate	7779-90-0	1 - 5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
N-Hexane	110-54-3	1 - 5	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 Aquatic Chronic 2, H411

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Substance name	CAS Number	% wt*	Classification
Toluene	108-88-3	1 - 5	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
Methyl N-Propyl Ketone	107-87-9	1 - 5	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
Methyl Acetate	79-20-9	1 - 5	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
4-Chlorobenzotrifluoride	98-56-6	1 - 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Aquatic Acute 2, H401
Dimethyl Carbonate	616-38-6	1 - 5	Flam. Liq. 2, H225
Light Aromatic Solvent Naphtha	64742-95-6	1 - 5	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 3, H402

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	: If exposed or concerned: Get medical advice/attention.
Inhalation	: Remove person to fresh air and keep comfortable for breathing.
Skin Contact	: Wash skin with plenty of water.
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	: Call a poison center or a doctor if you feel unwell.
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, Lassitude (Weakness), Dermatitis, Central Nervous System Depression, Confusion, Respiratory Irritation, Skin Irritation, Headache, Dizziness, Nausea, Narcosis, Drowsiness, Optical Nerve Damage, Cough, Chest Tightness, Chemical Pneumonitis (Aspiration Liquid), Numbness, Mucous Membrane.
Delayed Effects	: No known delayed effects.
Immediate Effects	: No known immediate effects.
Chronic Effects	: Because of defatting properties, repeated skin contact can cause skin damage such as chap, dermatitis, inflammation and the formation of eczema.
Target Organs	: Central Nervous System, Eyes, Liver, Peripheral Nervous System, 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	: May aggravate personnel with pre-existing disorders associated with any of the Target Organs.

SECTION 5 - FIRE-FIGHTING MEASURES

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5.1 Suitable Extinguishing Media

Extinguishing 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, vapors. See also Section 10.6.
Specific Hazards During Firefighting : Extremely 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 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.

SECTION 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 or adequate 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 : 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 be incinerated or burned.
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. 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.
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 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. For storage of pallet quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol Products) is recommended.
Incompatibilities : Segregate storage away from materials indicated in Section 10.
NFPA 30B Classification : This product is classified as a Level 2 Aerosol per NFPA 30B

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Dimethyl Ether (115-10-6)

AIHA	WEEL TWA (ppm)	1000 ppm
Manufacturer Recommended	Recommended PEL (TWA) (ppm)	1000 ppm (Dupont AEL)

Acetone (67-64-1)

ACGIH	ACGIH TWA (mg/m ³)	250 ppm
ACGIH	ACGIH Ceiling (mg/m ³)	500 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	2400 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
NIOSH	US IDLH (ppm)	2500 ppm
NIOSH	NIOSH REL (TWA) (ppm)	250 ppm
California	California PEL (TWA) (mg/m ³)	1200 mg/m ³
California	California PEL (TWA) (ppm)	500 ppm
California	California PEL (STEL) (mg/m ³)	1780 mg/m ³
California	California PEL (STEL) (ppm)	750 ppm
California	California PEL (Ceiling) (ppm)	3000 ppm
Biological Exposure Index	Acetone in urine, End of shift (Ns)	25 mg/l

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N-Hexane (110-54-3)

ACGIH	ACGIH TWA (mg/m ³)	02 9999 0122	50 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)		1800 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)		500 ppm
NIOSH	US IDLH (ppm)		1100 ppm
NIOSH	NIOSH REL (TWA) (mg/m ³)		180 mg/m ³
NIOSH	NIOSH REL (TWA) (ppm)		50 ppm
California	California PEL (TWA) (mg/m ³)		180 mg/m ³
California	California PEL (TWA) (ppm)		50 ppm
Biological Exposure Index	2,5-Hexanedion in urine (without hydrolysis), End of shift at end of workweek		0.4 mg/l

Toluene (108-88-3)

ACGIH	ACGIH TWA (mg/m ³)	20 ppm	
ACGIH	ACGIH Ceiling (mg/m ³)	150 ppm	
OSHA	OSHA PEL (TWA) (ppm)	200 ppm	
OSHA	OSHA PEL (Ceiling) (ppm)	300 ppm	
NIOSH	US IDLH (ppm)	500 ppm	
NIOSH	NIOSH REL (TWA) (ppm)	100 ppm	
NIOSH	NIOSH REL (STEL) (ppm)	150 ppm	
California	California PEL (TWA) (mg/m ³)	37 mg/m ³	
California	California PEL (TWA) (ppm)	10 ppm	
California	California PEL (STEL) (mg/m ³)	560 mg/m ³	
California	California PEL (STEL) (ppm)	150 ppm	
California	California PEL (Ceiling) (ppm)	500 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

Methyl N-Propyl Ketone (107-87-9)

ACGIH	ACGIH TWA (mg/m ³)	200 ppm
ACGIH	ACGIH Ceiling (mg/m ³)	250 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	700 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	200 ppm
NIOSH	US IDLH (ppm)	1500 ppm
NIOSH	NIOSH REL (TWA) (ppm)	150 ppm

Methyl Acetate (79-20-9)

ACGIH	ACGIH TWA (mg/m ³)	200 ppm
ACGIH	ACGIH Ceiling (mg/m ³)	250 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	610 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	200 ppm

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Methyl Acetate (79-20-9)

NIOSH	US IDLH (ppm)	3100 ppm
NIOSH	NIOSH REL (TWA) (mg/m ³)	610 mg/m ³
NIOSH	NIOSH REL (TWA) (ppm)	200 ppm
NIOSH	NIOSH REL (STEL) (mg/m ³)	760 mg/m ³
NIOSH	NIOSH REL (STEL) (ppm)	250 ppm
California	California PEL (TWA) (mg/m ³)	610 mg/m ³
California	California PEL (TWA) (ppm)	200 ppm
California	California PEL (STEL) (mg/m ³)	760 mg/m ³
California	California PEL (STEL) (ppm)	250 ppm

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.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Properties

Boiling Point	> 55.60 °C	Melting / Freezing Point	> -114.00 °C
Flash Point, Liquid	> -27.00 °C	Flash Point, Propellant	-42.00 °C
Explosive Limits	LEL: 0.80 UEL: 24.50 vol %	Autoignition Temperature, Liquid	225.00 °C
Flammability	Extremely Flammable Aerosol	Density	0.897 g/cm ³
Molecular Weight	Not Available	Weight	7.485 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	Pressurized Product	Heat Of Combustion	8744.09 BTU/lb
Appearance / Color	Green	Water Solubility	Not Available
Odor	Paint-like	Decomposition Temperature	Not Available

9.2 Environmental Properties

Percent Volatile	71.46 % wt	VOC Regulatory	542.53 g/L (4.53 lbs/gal)
Percent VOC	43.70 % wt	VOC Actual	392.03 g/L (3.27 lbs/gal)
Percent HAP	3.38 % wt	HAP Content	30.32 g/L (0.25 lbs/gal)
Global Warming Potential	0.48 GWP	Maximum Incremental Reactivity	0.8720 g O3/g
Ozone Depletion Potential	0.00 ODP		

SECTION 10 - STABILITY AND REACTIVITY

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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.

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, Temperatures above 140°F (60°C), Hot Surfaces, Heat, Flames, Sparks.

10.5 Incompatible Materials

Materials to Avoid : Strong Oxidizing Agents, Strong Reducing Agents, Bromine Pentafluoride, Strong Acids, Potassium t-Butoxide, Bases, Hydrogen Peroxide, Chlorosulfuric Acid, Chlorine, Potassium Chlorate, Dinitrogen Tetroxide, Chlorine Dioxide.

10.6 Hazardous Decomposition Products

Thermal Decomposition : Oxides of carbon, Aldehydes, Formaldehyde, Methanol, Acetic Acid, WARRIEWOOD NSW 2102

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Dimethyl Ether (CAS: 115-10-6 / EC: 204-065-8)

LC50 Inhalation (Rat) 164000 ppm/4h (RTECS)

Acetone (CAS: 67-64-1 / EC: 200-662-2)

LD50 Oral (Rat) 5800 mg/kg (Sigma-Aldrich)
LD50 Dermal (Rabbit) 20000 mg/kg (IUCLID)
LC50 Inhalation (Rat) 76 mg/l/4h (GESTIS Substance Database)

N-Hexane (CAS: 110-54-3 / EC: 203-777-6)

LD50 Oral (Rat) 29700 mg/kg (RTECS)
LD50 Dermal (Rabbit) > 3350 mg/kg body weight (ChemInfo)
LC50 Inhalation (Rat) 38500 ppm/4h (ChemInfo)

4-Chlorobenzotrifluoride (CAS: 98-56-6 / EC: 202-681-1)

LD50 Oral (Rat) 13000 mg/kg (Hazardous Substances Data Bank)
LD50 Dermal (Rabbit) 3300 mg/kg (Sigma-Aldrich)
LC50 Inhalation (Rat) 33 mg/l/4h (Hazardous Substances Data Bank)

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.)

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.)

Zinc Phosphate (CAS: 7779-90-0 / EC: 231-944-3)

LD50 Oral (Rat) > 5000 mg/kg body weight (ChemInfo)

Methyl N-Propyl Ketone (CAS: 107-87-9 / EC: 203-528-1)

LD50 Oral (Rat) 3020 mg/kg (ChemInfo)
LD50 Dermal (Rabbit) 6500 mg/kg (RTECS)
LC50 Inhalation (Rat) > 25.5 mg/l/4h (Sigma-Aldrich)

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Methyl N-Propyl Ketone (CAS: 107-87-9 / EC: 203-528-1)

LC50 Inhalation (Rat) 2000 ppm/4h (ChemInfo)

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)

Dimethyl Carbonate (CAS: 616-38-6 / EC: 210-478-4)

LD50 Oral (Rat) 13000 mg/kg (RTECS)
LD50 Dermal (Rabbit) > 5000 mg/kg (RTECS)
LC50 Inhalation (Rat) > 140 mg/l/4h (IUCLID)

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 : Not classified
Eye Damage/Irritation : Causes serious eye irritation.
Respiratory or Skin Sensitization : Not classified
Germ Cell Mutagenicity : Not classified
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 : Not classified

Vaporizer : Aerosol

Carcinogen Data : None of the ingredients in the product are listed with OSHA, IARC, NTP or ACGIH as being a suspected or known carcinogen in a concentration greater than 0.1% by weight.

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SECTION 12 - ECOLOGICAL INFORMATION

12.1 Ecotoxicity and Ecological Properties

Dimethyl Ether (115-10-6)

Persistence and Degradability Biodegradability 7% / 28 days.
Log Pow 0.1 (Experimental value; 0.07; QSAR; KOWWIN; 25 °C)
Bioaccumulative Potential Low potential for bioaccumulation (Log Kow < 4).

Acetone (67-64-1)

LC50 Fish 5540 mg/l Rainbow Trout - 96hr
LC50 Fish 8300 mg/l Bluegill Sunfish - 96h
EC50 Daphnia 8800 mg/l Water Flea - 48hr
Persistence and Degradability Biodegradability 90% / 28 days.
Biochemical Oxygen Demand 1.43 g O₂/g substance
Chemical Oxygen Demand 1.92 g O₂/g substance
Theoretical Oxygen Demand 2.2 g O₂/g substance
BCF Fish 0.69
BCF Other Aquatic Organisms 3
Log Pow -0.24

n-Hexane (110-54-3)

LC50 Fish 2.5 mg/l Fathead Minnow - 96h
EC50 Daphnia 3878 mg/l Water Flea - 48hr
Theoretical Oxygen Demand 3.52 g O₂/g substance
BCF Fish 501.187 (BCF; Other; Pimephales promelas)
Log Pow 3.9
Bioaccumulative Potential Potential for bioaccumulation (500 ≤ BCF ≤ 5000).
Log Koc 2.17

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4-Chlorobenzotrifluoride (98-56-6)

LC50 Fish	5.6 mg/l Bluegill Sunfish - 96h
LC50 Fish	13.5 mg/l Rainbow Trout - 24hr
EC50 Daphnia	3.68 mg/l (EC50; 48 h)
Persistence and Degradability	Biodegradability in water: no data available.
Log Pow	3.6
Bioaccumulative Potential	Low potential for bioaccumulation (Log Kow < 4).

Light Aromatic Solvent Naphtha (64742-95-6)

LC50 Fish	18 mg/l (LC50)
EC50 Daphnia	21 mg/l (EC50)
Persistence and Degradability	Readily biodegradable in water.
Log Pow	> 3

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 Degradability	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 g O ₂ /g substance
Biodegradation	86 % 28 Days
Log Pow	2.73 (Experimental Value)
Bioaccumulative Potential	Low potential for bioaccumulation (BCF < 500).
Log Koc	2.15

Zinc Phosphate (7779-90-0)

LC50 Fish	0.09 mg/l Rainbow Trout - 96hr
Biochemical Oxygen Demand	Not applicable
Chemical Oxygen Demand	Not applicable
Theoretical Oxygen Demand	Not applicable
BCF Other Aquatic Organisms	116 - 60960 (BCF; 21 days; Gammarus sp.; Semi-static system; Salt water; Read-across)
Bioaccumulative Potential	High potential for bioaccumulation (BCF > 5000).

Methyl n-Propyl Ketone (107-87-9)

LC50 Fish	1240 mg/l Fathead Minnow - 96h
EC50 Daphnia	> 110 mg/l Water Flea - 48hr
EC50 Other Aquatic Organisms	> 150 mg/l Green Algae - 72hr
Persistence and Degradability	Biodegradability 70% / 28 days.
BCF Other Aquatic Organisms	3
Log Pow	0.91 (Test data)
Bioaccumulative Potential	Low potential for bioaccumulation (Log Kow < 4).
Log Koc	Koc, 74; Estimated value; log Koc; 1.87; Estimated value

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 Degradability	Readily biodegradable in water. Inherently biodegradable. Highly mobile in soil.
Chemical Oxygen Demand	1511.8 mg/g
Theoretical Oxygen Demand	1510 mg/g
Biodegradation	70 % 28 Days
BCF Fish	< 1 (BCF)
Log Pow	0.18
Bioaccumulative Potential	Low potential for bioaccumulation (BCF < 500).
Log Koc	0.68

Dimethyl Carbonate (616-38-6)

LC50 Fish	> 100 mg/l Zebra Fish - 96hr
LC50 Fish	1000 mg/l Golden Orfe - 96hr
EC50 Daphnia	> 100 mg/l Water Flea - 48hr

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Dimethyl Carbonate (616-38-6)

EC50 Other Aquatic Organisms	> 100 mg/l Green Algae - 72hr
Persistence and Degradability	Biodegradability 86% / 28 days.
Chemical Oxygen Demand	756 mg/g
Log Pow	0.23
Bioaccumulative Potential	Not bioaccumulative.
Log Koc	0.917

SECTION 13 - DISPOSAL CONSIDERATIONS


13.1 Waste Treatment Methods

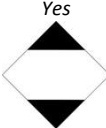

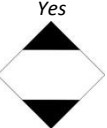
- Waste Disposal** : Characteristics and waste stream classification can change with product use and location. It is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste must be disposed of in compliance with the respective national, federal, state, and/or local regulations.
- Waste Disposal Of Packaging** : In the United States, an aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) it must be managed under all applicable RCRA and state regulations.
- Landfill Precautions** : Not Available.
- Incineration Precautions** : **** DO NOT INCINERATE ** CONTENTS UNDER PRESSURE **.**

SECTION 14 - TRANSPORTATION INFORMATION

14.1 UN Number	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Number	UN1950	UN1950	UN1950

14.2 UN Proper Shipping Name	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Proper Shipping Name	Aerosols, Limited Quantity	Aerosols, Flammable, Limited Quantity	Aerosols, Limited Quantity

14.3 Transport Hazard Class(es)	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Transport Hazard Class(es)	2.1		2.1
Labels	None	2.1 - Flammable gas	None

Limited Quantity	Yes 	Yes 	Yes 
EmS Code	Not Applicable	Not Applicable	F-D, S-U

14.4 Packing Group	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Packing Group	None	None	None

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		

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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.

n-Hexane	CAS-No. 110-54-3	1 - 5%
1,2,4-Trimethyl Benzene	CAS-No. 95-63-6	< 1%
Xylene	CAS-No. 1330-20-7	< 1%
Cumene	CAS-No. 98-82-8	< 1%
Toluene	CAS-No. 108-88-3	1 - 5%

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

Acetone	CAS-No. 67-64-1	5000 lb
n-Hexane	CAS-No. 110-54-3	5000 lb
Xylene	CAS-No. 1330-20-7	100 lb
Cumene	CAS-No. 98-82-8	5000 lb
Toluene	CAS-No. 108-88-3	1000 lb

SARA Section 311/312 Hazard Classes : Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard.

TSCA Inventory (United States) : All chemical substances in this product are either listed on the Toxic Substances Control Act (TSCA) Inventory or are in compliance with a TSCA Inventory exemption.

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.

Cumene (98-82-8)	Cancer	Yes	0.033 %
Toluene (108-88-3)	Developmental Toxicity	Yes	2.8442 %
n-Hexane (110-54-3)	Reproductive Toxicity, Male	Yes	3.87 %
Toluene (108-88-3)	No significance risk level (NSRL)	7000 µg/day	

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

Dimethyl Ether (115-10-6)	U.S. - New Jersey - Right to Know Hazardous Substance List
Acetone (67-64-1)	U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
n-Hexane (110-54-3)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
1,2,4-Trimethyl Benzene (95-63-6)	U.S. - New Jersey - Right to Know Hazardous Substance List
Xylene (1330-20-7)	U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Cumene (98-82-8)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Toluene (108-88-3)	U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Methyl n-Propyl Ketone (107-87-9)	U.S. - New Jersey - Right to Know Hazardous Substance List
Methyl Acetate (79-20-9)	U.S. - New Jersey - Right to Know Hazardous Substance List
Dimethyl Carbonate (616-38-6)	U.S. - New Jersey - Right to Know Hazardous Substance List
Ethanol (64-17-5)	U.S. - New Jersey - Right to Know Hazardous Substance List
Stoddard Solvent (8052-41-3)	U.S. - New Jersey - Right to Know Hazardous Substance List

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SECTION 16 - OTHER INFORMATION

Indication of changes :

Section	Changed item	Change
1	Supersedes	Added
1	SDS US Regulation reference	Added
1	Revision date	Modified
1	Date of issue	Modified
2.1	GHS-US classification	Modified
2.2	Precautionary statements (GHS-US)	Modified
2.2	Hazard statements (GHS-US)	Modified
3	Composition/Information on ingredients	Modified
4	Symptoms/effects after eye contact	Modified
4	Symptoms/effects	Added
4.1	First-aid measures after eye contact	Modified
7.2	NFPA 30B Classification	Modified
8.2	Compliance	Added
8.2	Remarks	Added
8.2	Hand Protection	Added
8.2	Environmental Exposure Controls	Added
8.2	Respiratory Protection	Added
9	Explosive properties	Added
9	Relative vapor density at 20 °C	Added
9	Appearance	Added
9	Flash point	Modified
9	Explosive limits (vol %)	Modified
9	Boiling point	Modified
9	Specific gravity / density	Modified
9	Melting point	Modified
10	Conditions to avoid	Modified
12.1	Ecology - general	Modified
14	User Precautions	Added
14	EmS Code (Column 15 in IMDG Book 2)	Added
15	Select the Appropriate Proposition 65 Notice	Modified

Full Text of H-Statements :

H Code	H Phrase
H220	<i>Extremely flammable gas</i>
H225	<i>Highly flammable liquid and vapour</i>
H226	<i>Flammable liquid and vapour</i>
H280	<i>Contains gas under pressure; may explode if heated</i>
H302	<i>Harmful if swallowed</i>
H304	<i>May be fatal if swallowed and enters airways</i>
H315	<i>Causes skin irritation</i>
H319	<i>Causes serious eye irritation</i>
H335	<i>May cause respiratory irritation</i>
H336	<i>May cause drowsiness or dizziness</i>
H361	<i>Suspected of damaging fertility or the unborn child</i>
H373	<i>May cause damage to organs through prolonged or repeated exposure</i>
H400	<i>Very toxic to aquatic life</i>
H401	<i>Toxic to aquatic life</i>
H402	<i>Harmful to aquatic life</i>
H410	<i>Very toxic to aquatic life with long lasting effects</i>
H411	<i>Toxic to aquatic life with long lasting effects</i>

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