

Wearwell LLC Yellow Foundation Paint

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

SECTION 1 - IDENTIFICATION

1.1 Product Identifier

Product Name : Wearwell LLC Yellow Foundation Paint
Manufacturer Product Number : 7850-10304

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 : Touch-up coating for molded plastic parts.
Restrictions on Use : None Identified

1.4 Supplier Details

		Manufacturer Details	Supplier Details
Company Name	:	Chem-Pak Inc	Wearwell LLC
Address	:	242 Corning Way, Martinsburg, WV 25405 - United States	199 Threet Industrial Road, Smyrna, TN 37167 - United States
Phone Number	:	304-262-1880	615-254-8381
Fax Number	:	304-262-9643	615-390-3077
Email	:	msds@chem-pak.com	
Website	:	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. Aerosol 1	H222	Physical Hazards	Flammable aerosol Category 1
Press. Gas (Comp.)	H280	Physical Hazards	Gases under pressure Compressed gas
Skin Irrit. 2	H315	Health Hazards	Skin corrosion/irritation Category 2
Eye Irrit. 2a	H319	Health Hazards	Serious eye damage/eye irritation Category 2A
Skin Sens. 1	H317	Health Hazards	Skin sensitization, Category 1
Carc. 2	H351	Health Hazards	Carcinogenicity Category 2
Stot Se 3	H336	Health Hazards	Specific target organ toxicity (single exposure) Category 3, Narcosis
Aquatic Acute 2	H401	Environmental Hazards	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Chronic 3	H412	Environmental Hazards	Hazardous to the aquatic environment - Chronic Hazard Category 3

2.2 Label Elements

Hazard Pictograms



GHS02



GHS04



GHS07



GHS08

Signal Word

Danger

Hazard Statements

H222 : Extremely flammable aerosol
H280 : Contains gas under pressure; may explode if heated
H315 : Causes skin irritation
H317 : May cause an allergic skin reaction

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Precautionary Statements	H319	: Causes serious eye irritation
	H336	: May cause drowsiness or dizziness
	H351	: Suspected of causing cancer
	H401	: Toxic to aquatic life
	H412	: Harmful 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.
	P211	: Do not spray on an open flame or other ignition source.
	P251	: Pressurized container: Do not pierce or burn, even after use.
	P261	: Avoid breathing spray.
	P264	: Wash hands thoroughly after handling.
	P271	: Use only outdoors or in a well-ventilated area.
	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.
	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.
	P312	: Call physician if you feel unwell.
	P333+P313	: If skin irritation or rash 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	: Store in a well-ventilated place.
	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.

2.4 Unknown acute toxicity

48.44% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
48.44% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
10.94% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (vapors))

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
4-Chlorobenzotrifluoride	98-56-6	10 - 30	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Ethyl Acetate	141-78-6	5 - 10	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336

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Substance name	CAS Number	% wt*	Classification
Methyl Ethyl Ketone	78-93-3	5 - 10	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Acetone	67-64-1	1 - 5	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
N-Butyl Acetate	123-86-4	1 - 5	Flam. Liq. 2, H225 STOT SE 3, H336 Aquatic Acute 3, H402
Titanium Dioxide	13463-67-7	1 - 5	Carc. 2, H351
Bis(1,2,2,6,6-Pentamethyl-4-Piperidyl) Sebacate	41556-26-7	0.1 - 1	Flam. Liq. 4, H227 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Methyl 1,2,2,6,6-Pentamethyl-4-Piperidinyl Sebacate	82919-37-7	0.1 - 1	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Ethyl Benzene	100-41-4	0.1 - 1	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

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. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
Eye Contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	: 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, Upper Respiratory Tract Irritation, Drowsiness, Vomiting, Cough, Chemical Pneumonitis (Aspiration Liquid), 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	: Blood, Central Nervous System, Eyes, Liver, 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.



SAFETY DATA SHEET

Part No. 7850-10304 (Aerosol)

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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 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. Contents under pressure. 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. 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 : 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. 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.



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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

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)

Ethyl Acetate (141-78-6)

ACGIH	ACGIH TWA (mg/m ³)	400 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	1400 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	400 ppm
NIOSH	US IDLH (ppm)	2000 ppm
NIOSH	NIOSH REL (TWA) [ppm]	400 ppm
California	California PEL (TWA) (mg/m ³)	1400 mg/m ³
California	California PEL (TWA) (ppm)	400 ppm

Methyl Ethyl Ketone (78-93-3)

ACGIH	ACGIH TWA (mg/m ³)	200 ppm
ACGIH	ACGIH Ceiling (mg/m ³)	300 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	590 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	200 ppm
NIOSH	US IDLH (ppm)	3000 ppm
NIOSH	NIOSH REL (TWA) (mg/m ³)	590 mg/m ³
NIOSH	NIOSH REL (TWA) [ppm]	200 ppm
California	California PEL (TWA) (mg/m ³)	590 mg/m ³
California	California PEL (TWA) (ppm)	200 ppm
California	California PEL (STEL) (mg/m ³)	885 mg/m ³
California	California PEL (STEL) (ppm)	300 ppm
Biological Exposure Index	MEK in Urine, End of shift	2 mg/l

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

Ethyl Benzene (100-41-4)

ACGIH	ACGIH TWA (mg/m ³)	20 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	435 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm
NIOSH	US IDLH (ppm)	800 ppm
NIOSH	NIOSH REL (TWA) (mg/m ³)	435 mg/m ³
NIOSH	NIOSH REL (TWA) [ppm]	100 ppm
NIOSH	NIOSH REL (STEL) (mg/m ³)	545 mg/m ³
NIOSH	NIOSH REL (STEL) [ppm]	125 ppm



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Ethyl Benzene (100-41-4)

California	California PEL (TWA) (mg/m ³)	22 mg/m ³
California	California PEL (TWA) (ppm)	5 ppm
California	California PEL (STEL) (mg/m ³)	130 mg/m ³
California	California PEL (STEL) (ppm)	30 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

N-Butyl Acetate (123-86-4)

ACGIH	ACGIH TWA (mg/m ³)	150 ppm
ACGIH	ACGIH Ceiling (mg/m ³)	200 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	710 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	150 ppm
NIOSH	US IDLH (ppm)	1700 ppm
NIOSH	NIOSH REL (TWA) [ppm]	150 ppm
NIOSH	NIOSH REL (STEL) [ppm]	200 ppm
California	California PEL (TWA) (mg/m ³)	710 mg/m ³
California	California PEL (TWA) (ppm)	150 ppm
California	California PEL (STEL) (mg/m ³)	950 mg/m ³
California	California PEL (STEL) (ppm)	200 ppm

Titanium Dioxide (13463-67-7)

ACGIH	ACGIH TWA (ppm)	1 mg/m ³
OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³
NIOSH	US IDLH (mg/m ³)	5000 mg/m ³
NIOSH	US IDLH (ppm)	0 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 may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits. Under those circumstances, users should be provided with either a half-facepiece (if wearing safety glasses) or a full-facepiece (if not wearing safety glasses) air-purifying respirator, fitted with organic vapor cartridges and P95 filters.
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	> -10.55 °C	Melting / Freezing Point	> -153.70 °C
Flash Point, Liquid	> -61.00 °C	Flash Point, Propellant	-42.00 °C
Explosive Limits	LEL: 0.50 UEL: 60.00 vol %	Autoignition Temperature, Liquid	> 140.00
Flammability	Extremely Flammable Aerosol	Density	0.871 g/cm ³
Molecular Weight	Not Available	Weight	7.268 lbs/gal
Vapor Pressure	Not Available	pH	Not Available
Vapor Density	Not Available	Evaporation Rate (nBAC=1)	Not Available



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Viscosity	Not Available	Partition Coefficient (Log Pow)	Not Available
Odor Threshold	Not Available	Refractive Index	Not Available
Physical State	Pressurized Product	Heat Of Combustion	9133.92 BTU/lb
Appearance / Color	Yellow	Water Solubility	Not Available
Odor	Paint-like	Decomposition Temperature	Not Available

9.2 Environmental Properties

Percent Volatile	81.50 % wt	VOC Regulatory	670.05 g/L (5.59 lbs/gal)
Percent VOC	61.76 % wt	VOC Actual	537.95 g/L (4.49 lbs/gal)
Percent HAP	0.99 % wt	HAP Content	8.62 g/L (0.07 lbs/gal)
Global Warming Potential	0.40 GWP	Maximum Incremental Reactivity	0.7500 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.

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, Strong Acids, Potassium t-Butoxide, Bases, Calcium Hypochlorite, Acids, Hydrogen Peroxide, Perchloric Acid, Strong Bases, Potassium Chlorate, Organic Peroxides.

10.6 Hazardous Decomposition Products

Thermal Decomposition : Oxides of carbon, Aldehydes, Formaldehyde, Methanol, Acetic Acid.

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)

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)

Ethyl Acetate (CAS: 141-78-6 / EC: 205-500-4)

LD50 Oral (Rat) 5620 mg/kg (RTECS)

LD50 Dermal (Rabbit) > 18000 mg/kg (Sigma-Aldrich)

LC50 Inhalation (Rat) 10600 ppm/4h (ChemInfo)

Methyl Ethyl Ketone (CAS: 78-93-3 / EC: 201-159-0)

LD50 Oral (Rat) 2737 mg/kg (Sigma-Aldrich)

LD50 Dermal (Rabbit) 6480 mg/kg (RTECS)

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Methyl Ethyl Ketone (CAS: 78-93-3 / EC: 201-159-0)

LC50 Inhalation (Rat)	205 mg/l/4h (ChemInfo)
LC50 Inhalation (Rat)	30200 ppm/4h (ChemInfo)

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)

Bis(1,2,2,6,6-Pentamethyl-4-Piperidyl) Sebacate (CAS: 41556-26-7 / EC: 255-437-1)

LD50 Oral (Rat)	> 2000 mg/kg (Lit.)
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Ethyl Benzene (CAS: 100-41-4 / EC: 202-849-4)

LD50 Oral (Rat)	4720 mg/kg (ChemInfo)
LD50 Dermal (Rabbit)	15380 mg/kg (ChemInfo)
LC50 Inhalation (Rat)	17.2 mg/l/4h (IUCLID)
LC50 Inhalation (Rat)	4000 ppm/4h (ChemInfo)

N-Butyl Acetate (CAS: 123-86-4 / EC: 204-658-1)

LD50 Oral (Rat)	13100 mg/kg (IUCLID)
LD50 Dermal (Rabbit)	> 14100 mg/kg (IUCLID)
LC50 Inhalation (Rat)	> 21 mg/l/4h (IUCLID)
LC50 Inhalation (Rat)	390 ppm/4h (RTECS)

Titanium Dioxide (CAS: 13463-67-7 / EC: 236-675-5)

LD50 Oral (Rat)	> 25000 mg/kg (ChemInfo)
LD50 Dermal (Rabbit)	> 10000 mg/kg (ChemInfo)
LC50 Inhalation (Rat)	> 6.8 mg/l/4h (Sigma-Aldrich)

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	: May cause an allergic skin reaction.
Germ Cell Mutagenicity	: Not classified
Reproductive Toxicity	: Not classified
STOT-Single Exposure	: May cause drowsiness or dizziness.
STOT-Repeated Exposure	: Not classified
Aspiration Hazard	: Not classified
Vaporizer	: Aerosol
Carcinogen Data	: The following ingredients are listed as known or suspected carcinogens:

Ethyl Benzene (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

Titanium Dioxide (CAS: 13463-67-7 / EC: 236-675-5)

IARC group	2B - Possibly Carcinogenic to Humans
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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).

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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
Persistence and Degradability	Biodegradability in water: no data available.
Log Pow	3.6
Bioaccumulative Potential	Low potential for bioaccumulation (Log Kow < 4).

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 Degradability	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.
Biochemical Oxygen Demand	0.293 g O ₂ /g substance
Chemical Oxygen Demand	1.69 g O ₂ /g substance
Theoretical Oxygen Demand	1.82 g O ₂ /g substance
Biodegradation	100 % 28 Days
BCF Fish	30
Log Pow	0.73
Bioaccumulative Potential	Low potential for bioaccumulation (BCF < 500).
Log Koc	0.778

Methyl Ethyl Ketone (78-93-3)

LC50 Fish	3130 - 3320 mg/l Fathead Minnow - 96h
EC50 Daphnia	7060 mg/l Water Flea - 24hr
Persistence and Degradability	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions.
Biochemical Oxygen Demand	2.03 g O ₂ /g substance
Chemical Oxygen Demand	2.31 g O ₂ /g substance
Theoretical Oxygen Demand	2.44 g O ₂ /g substance
Log Pow	0.3 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 40 °C)
Bioaccumulative Potential	Low potential for bioaccumulation (Log Kow < 4).
Log Koc	Koc,34; Calculated value

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 O ₂ /g substance
Chemical Oxygen Demand	1.92 g O ₂ /g substance
Theoretical Oxygen Demand	2.2 g O ₂ /g substance
BCF Fish	0.69
BCF Other Aquatic Organisms	3
Log Pow	-0.24

Bis(1,2,2,6,6-Pentamethyl-4-Piperidyl) Sebacate (41556-26-7)

LC50 Fish	0.97 mg/l Bluegill Sunfish - 96h
EC50 Daphnia	20 mg/l Water Flea - 48hr
Log Pow	0.37 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Bioaccumulative Potential	Low potential for bioaccumulation (Log Kow < 4).

Ethyl Benzene (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 Degradability	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 g O ₂ /g substance



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Ethyl Benzene (100-41-4)

Theoretical Oxygen Demand	3.17 g O ₂ /g substance
Biodegradation	81 % 28 Days
BCF Fish	1.18
Log Pow	3.15
Bioaccumulative Potential	Low potential for bioaccumulation (BCF < 500).
Log Koc	2.4

n-Butyl Acetate (123-86-4)

LC50 Fish	62 mg/l Golden Orfe - 96hr
LC50 Fish	18 mg/l Fathead Minnow - 96h
EC50 Daphnia	72.8 mg/l Water Flea - 24hr
EC50 Other Aquatic Organisms	675 mg/l Green Algae - 72hr
EC50 Other Aquatic Organisms	959 mg/l Bacteria - 18hr
Persistence and Degradability	Biodegradability 88% / 28 days.
Biochemical Oxygen Demand	520 mg/g
Chemical Oxygen Demand	2320 mg/g
Theoretical Oxygen Demand	2207 mg/g
Log Pow	1.804
Log Koc	2.35

Titanium Dioxide (13463-67-7)

LC50 Fish	> 1000 mg/l Golden Orfe - 96hr
EC50 Daphnia	> 100 mg/l Water Flea - 48hr
Persistence and Degradability	Biodegradability: not applicable. Low potential for mobility in soil.
Biochemical Oxygen Demand	Not applicable
Chemical Oxygen Demand	Not applicable
Theoretical Oxygen Demand	Not applicable
Bioaccumulative Potential	Not bioaccumulative.

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	2.1
Labels	: None	2.1 - Flammable gas	None

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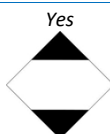
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Limited Quantity

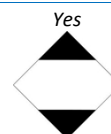
:



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

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.

Methyl Methacrylate	CAS-No. 80-62-6	0.01 - 0.1%
Toluene	CAS-No. 108-88-3	0.01 - 0.1%
Xylene	CAS-No. 1330-20-7	0.1 - 1%
Ethyl Benzene	CAS-No. 100-41-4	0.1 - 1%
1,2,4-Trimethyl Benzene	CAS-No. 95-63-6	0.01 - 0.1%
Chlorobenzene	CAS-No. 108-90-7	0.01 - 0.1%
Benzene	CAS-No. 71-43-2	0.001 - 0.01%
Acetaldehyde	CAS-No. 75-07-0	< 0.0001%
Vinyl Acetate	CAS-No. 108-05-4	0.0001 - 0.001%
Ethyl Acrylate	CAS-No. 140-88-5	0.0001 - 0.001%

TSCA Section 12(b)

: Chemical(s) subject to the export notification requirements of Section 12(b) of the Toxic Substances Control Act (TSCA) and 40 CFR Part 707, subpart D

Octamethylcyclotetrasiloxane	CAS-No. 556-67-2	0.0001 - 0.001%
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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

Ethyl Acetate	CAS-No. 141-78-6	5000 lb
Methyl Ethyl Ketone	CAS-No. 78-93-3	5000 lb
Acetone	CAS-No. 67-64-1	5000 lb
Methyl Methacrylate	CAS-No. 80-62-6	1000 lb
Toluene	CAS-No. 108-88-3	1000 lb
Xylene	CAS-No. 1330-20-7	100 lb
Ethyl Benzene	CAS-No. 100-41-4	1000 lb
Chlorobenzene	CAS-No. 108-90-7	100 lb



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Benzene	CAS-No. 71-43-2	10 lb
Phosphoric Acid	CAS-No. 7664-38-2	5000 lb
Acetaldehyde	CAS-No. 75-07-0	1000 lb
Vinyl Acetate	CAS-No. 108-05-4	5000 lb
Ethyl Acrylate	CAS-No. 140-88-5	1000 lb

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.

4-Chlorobenzotrifluoride (98-56-6)	Cancer	Yes	14.1599 %
Ethyl Benzene (100-41-4)	Cancer	Yes	0.1011 %
Benzene (71-43-2)	Cancer	Yes	0.0027 %
Carbon Black (1333-86-4)	Cancer	Yes	0.0025 %
Titanium Dioxide (13463-67-7)	Cancer	Yes	2.1001 %
Acetaldehyde (75-07-0)	Cancer	Yes	0.0 %
Vinyl Chloride (75-01-4)	Cancer	Yes	0.0 %
Ethyl Acrylate (140-88-5)	Cancer	Yes	0.0007 %
Toluene (108-88-3)	Developmental Toxicity	Yes	0.0376 %
Benzene (71-43-2)	Developmental Toxicity	Yes	0.0027 %
Perfluorooctanoic Acid (335-67-1)	Developmental Toxicity	Yes	0.0 %
Toluene (108-88-3)	No significance risk level (NSRL)	7000 µg/day	
Ethyl Benzene (100-41-4)	No significance risk level (NSRL)	54 µg/day	
Acetaldehyde (75-07-0)	No significance risk level (NSRL)	90 µg/day	
Vinyl Chloride (75-01-4)	No significance risk level (NSRL)	3 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
Polytetrafluoroethylene (9002-84-0)	U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
Ethyl Acetate (141-78-6)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Methyl Ethyl Ketone (78-93-3)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) 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
Methyl Methacrylate (80-62-6)	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
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
Ethyl Benzene (100-41-4)	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
Stoddard Solvent (8052-41-3)	U.S. - New Jersey - Right to Know Hazardous Substance List
1,2,4-Trimethyl Benzene (95-63-6)	U.S. - New Jersey - Right to Know Hazardous Substance List
Chlorobenzene (108-90-7)	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
n-Butyl Methacrylate (97-88-1)	U.S. - New Jersey - Right to Know Hazardous Substance List
Benzene (71-43-2)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List



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Carbon Black (1333-86-4)	U.S. - New Jersey - Right to Know Hazardous Substance List
Titanium Dioxide (13463-67-7)	U.S. - New Jersey - Right to Know Hazardous Substance List
Phosphoric Acid (7664-38-2)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Fumed Silica (112945-52-5)	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
Acetaldehyde (75-07-0)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Vinyl Acetate (108-05-4)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
2-Butoxyethanol (111-76-2)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List
Ethyl Acrylate (140-88-5)	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	Created Safety Data Sheet - Revision 1	Added

Disclaimer of Liability

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