SAFETY DATA SHEET.

Issuing date 26-Sep-2017 **Revision Date** 26-Sep-2017 **Version** 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier
Product name 4188 ALL-IN-ONE SELF ETCHING PRIMER GRAY

Recommended use of the chemical and restrictions on use

Product code 4188

Product Type Extremely Flammable Aerosol
Synonyms None

Supplier's details

Recommended Use Self Etching Primer.
Uses advised against No information available

Manufacturer:
International Epoxies & Sealers
P.O. Box 185
San Antonio, FL 33576
Phone: 1-800-451-7206

Emergency telephone number
Chemical Emergency Phone Number INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)
Emergency telephone INTERNATIONAL EPOXIES & SEALERS 1-800-451-7206

2. HAZARDS IDENTIFICATION

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 1A
Reproductive Toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Gases under pressure	Compressed Gas

GHS Label elements, including precautionary statements

Emergency Overview

DANGER

Hazard Statements
Causes skin irritation.
Causes serious eye irritation.
May cause cancer.
May damage fertility or the unborn child
May cause respiratory irritation.
May cause drowsiness or dizziness.
May cause damage to organs (Eyes, Skin, Respiratory System, Central Nervous System, and Peripheral Nervous System) through prolonged and repeated exposure.
May be fatal if swallowed and enters airways.
Extremely Flammable Aerosol
Contains gas under pressure; may explode if heated

Appearance Opaque **Physical state** Aerosol **Odor** Solvent

Precautionary Statements - Prevention
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves, protective clothing,eye protection,face protection.
Do not breathe dust, fume, gas, mist, vapors, spray.
Use only outdoors or in a well-ventilated area.
Keep away from heat, sparks, open flames, hot surfaces - No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.

Precautionary Statements - Response
If exposed or concerned: Get medical advice, attention.
Specific treatment (see first aid on this label)
IF IN EYES: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

IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice, attention.
Take off contaminated clothing and wash it before reuse.
IF INHALED : Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER or doctor, physician if you feel unwell.
IF SWALLOWED: Immediately call a POISON CENTER, doctor, physician.
Do NOT induce vomiting.

Precautionary Statements - Storage
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Precautionary Statements - Disposal
Dispose of contents, container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC)

None

Other information

0.00000974% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %*
ACETONE	67-64-1	40-50
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	20-30
TOLUENE	108-88-3	1-10
TALC	14807-96-6	1-10
POLYMER BLEND	PROPRIETARY	1-10
XYLENE	1330-20-7	1-10
TRISODIUM PHOSPHATE	10101-89-0	1-10
TERTIARY BUTYL ACETATE	540-88-5	1-10
NAPHTHA(PETROLEUM)HVY AROMATIC	64742-94-5	1-10
METHYL ACETATE 99.5%	79-20-9	1-10
CALCIUM CARBONATE	1317-65-3	1-10
BUTYL ACETATE	123-86-4	1-10
2-BUTOXYETHANOL	111-76-2	1-10
SILICA,CRYSTALLINE, QUARTZ	14808-60-7	1-10
MONOMETHYL ETHER ACETATE	108-65-6	1-10
DIBUTYL PHTHALATE	84-74-2	1-10
ETHYL BENZENE	100-41-4	>1
BLACK PIGMENT	1333-86-4	<1
ETHYLENE GLYCOL	107-21-1	<0.1

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures for different exposure routes

General advice Avoid contact with eyes, skin, and clothing. Avoid breathing vapors, mist, or gas.

Eye contact Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing. Seek immediate medical attention/advice. If symptoms persist, call a physician.

Skin contact Rinse immediately with plenty of water for 15 minutes and seek medical advice if skin irritation persists. If symptoms persist, call a physician. Remove and wash contaminated clothing before re-use.

Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately. If symptoms persist, call a physician.

Ingestion Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion. Rinse mouth. Call a physician or Poison Control Center immediately.

Most important symptoms/effects, acute and delayed

Main Symptoms May cause skin , eye, and respiratory irritation. May cause an allergic reaction if in direct contact with skin. Harmful or fatal if swallowed and gets in airways.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water fog. Carbon Dioxide (CO2), Foam, Dry Chemical. Cool Tanks/ containers with water spray.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical
Extremely Flammable / Flammable. Keep product and empty container away from heat and sources of ignition.

Explosion Data
Sensitivity to Mechanical Impact none.
Sensitivity to Static Discharge Yes.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use shielding to protect fire-fighters from bursting containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use with adequate ventiliation to keep the exposure levels below the OELS. Follow safe handling advice and personal protective equipment recommendations.

Environmental precautions

Environmental precautions Vapors can accumulate in low areas. Report spills as required by local and federal regulations. Do not allow material to contaminate ground water system. Prevent product from entering drains. Should not be released into the environment.

Methods and materials for containment and cleaning up

Methods for Containment Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains.

Methods for cleaning up Soak up with inert absorbent material. Contain liquid and collect with an inter, non-combustible material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly . After cleaning, flush away traces with water. Prevent product from entering drains. Take precautionary measures against static discharges.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Contents under pressure. Do not puncture or incinerate cans. Handle in accordance with good industrial hygiene and safety practice. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces, and sources of ignition. Keep in properly labeled containers. Keep out of the reach of children. Store locked up.

Incompatible products Strong acids, alkalis, oxidizing agents.

Aerosol Level 2

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines .

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
ACETONE 67-64-1	STEL: 500 ppm TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m³ (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m³ (vacated) STEL: 2400 mg/m³ The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m³
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	74-98-6: TWA: 1000 ppm 106-97-8: STEL: 1000 ppm 75-28-5: STEL: 1000 ppm	74-98-6:TWA: 1000 ppm TWA: 1800 mg/m³ (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m³ 106-97-8: (vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m³	74-98-6:IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m³ 106-97-8:TWA: 800 ppm TWA: 1900 mg/m³ 75-28-5:TWA: 800 ppm TWA: 1900 mg/m³
TOLUENE 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m³ Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 560 mg/m³
TALC 14807-96-6	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	(vacated) TWA: 2 mg/m³ respirable dust <1% Crystalline silica, containing no Asbestos TWA: 20 mppcf if 1% Quartz or more, use Quartz limit	IDLH: 1000 mg/m³ TWA: 2 mg/m³ containing no Asbestos and <1% Quartz respirable dust
XYLENE 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m³ (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m³	-

TERTIARY BUTYL ACETATE 540-88-5	STEL: 150 ppm TWA: 50 ppm	TWA: 200 ppm TWA: 950 mg/m³ (vacated) TWA: 200 ppm (vacated) TWA: 950 mg/m³	IDLH: 1500 ppm TWA: 200 ppm TWA: 950 mg/m³
METHYL ACETATE 99.5% 79-20-9	STEL: 250 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 610 mg/m³ (vacated) TWA: 200 ppm (vacated) TWA: 610 mg/m³ (vacated) STEL: 250 ppm (vacated) STEL: 760 mg/m³	IDLH: 3100 ppm TWA: 200 ppm TWA: 610 mg/m³ STEL: 250 ppm STEL: 760 mg/m³
CALCIUM CARBONATE 1317-65-3	-	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 15 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
BUTYL ACETATE 123-86-4	STEL: 150 ppm TWA: 50 ppm	TWA: 150 ppm TWA: 710 mg/m³ (vacated) TWA: 150 ppm (vacated) TWA: 710 mg/m³ (vacated) STEL: 200 ppm (vacated) STEL: 950 mg/m³	IDLH: 1700 ppm TWA: 150 ppm TWA: 710 mg/m³ STEL: 200 ppm STEL: 950 mg/m³
2-BUTOXYETHANOL 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m³ (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m³
SILICA,CRYSTALLINE, QUARTZ 14808-60-7	TWA: 0.025 mg/m³ respirable fraction	(vacated) TWA: 0.1 mg/m³ respirable dust : (30)/(%SiO2 + 2) mg/m³ TWA total dust : (250)/(%SiO2 + 5) mppcf TWA respirable fraction : (10)/(%SiO2 + 2) mg/m³ TWA respirable fraction	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust
DIBUTYL PHTHALATE 84-74-2	TWA: 5 mg/m³	TWA: 5 mg/m³ (vacated) TWA: 5 mg/m³	IDLH: 4000 mg/m³ TWA: 5 mg/m³
ETHYL BENZENE 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m³ (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m³	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m³ STEL: 125 ppm STEL: 545 mg/m³
BLACK PIGMENT 1333-86-4	TWA: 3 mg/m³ inhalable fraction	TWA: 3.5 mg/m³ (vacated) TWA: 3.5 mg/m³	IDLH: 1750 mg/m³ TWA: 3.5 mg/m³ TWA: 0.1 mg/m³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH
ETHYLENE GLYCOL 107-21-1	Ceiling: 100 mg/m³ aerosol only	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m³	-

ACGIH: (American Conference of Governmental Industrial Hygienists)
OSHA: (Occupational Safety & Health Administration)
NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Exposure controls

Engineering Measures Showers, eyewash stations, and ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side-shields.

Skin and body protection Chemical resistant apron. Protective gloves.

Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Physical state	Aerosol		
Appearance	Opaque	**Odor**	Solvent
Color	Gray	**Odor Threshold**	

Property	**Values**	**Remarks • Methods**
pH	No information available	
Melting/freezing point	No information available	
Boiling point/boiling range		
Flash Point	-96.4 °C / -141 °F	Based on lowest flashpoint of the products constituents.
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
upper flammability limit		
lower flammability limit		
Vapor pressure		
Vapor density		
Specific Gravity	0.877	
Water solubility	None	
Partition coefficient: n-octanol/water		
Autoignition temperature	No information available	Not applicable
Decomposition temperature		
Viscosity	No information available	
Explosive properties		

Other information

VOC Content(%)	33.04
MIR Value	0.74
MIR Coating Category	ABP (Auto body primers) MIR <0.95

10. STABILITY AND REACTIVITY

Reactivity
No data available

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
None under normal processing.

Conditions to Avoid
Extremes of temperature and direct sunlight.

Incompatible Materials
Strong acids, alkalis, oxidizing agents.

Hazardous Decomposition Products
Carbon oxides , Hydrocarbons, Fumes.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation May cause respiratory irritation. May cause drowsiness or dizziness.

Eye contact Causes serious eye damage.

Skin contact Causes skin irritation.

Ingestion May be fatal if swallowed and enters airways.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
ACETONE 67-64-1	= 5800 mg/kg (Rat)	-	= 50100 mg/m³ (Rat) 8 h
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	-	-	=31mg/L (Rat) 4 hr
TOLUENE 108-88-3	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.7 mg/L (Rat) 4 h
XYLENE 1330-20-7	= 3500 mg/kg (Rat)	> 4350 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h
TRISODIUM PHOSPHATE 10101-89-0	= 7400 mg/kg (Rat)	-	-
TERTIARY BUTYL ACETATE 540-88-5	= 4100 mg/kg (Rat)	-	> 2230 mg/m³ (Rat) 4 h
NAPHTHA(PETROLEUM)HVY AROMATIC 64742-94-5	> 5000 mg/kg (Rat)	> 2 mL/kg (Rabbit)	> 590 mg/m³ (Rat) 4 h
METHYL ACETATE 99.5% 79-20-9	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	= 16000 ppm (Rat) 4 h
BUTYL ACETATE 123-86-4	= 10768 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	= 390 ppm (Rat) 4 h
2-BUTOXYETHANOL 111-76-2	= 470 mg/kg (Rat)	= 99 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h
SILICA,CRYSTALLINE, QUARTZ 14808-60-7	= 500 mg/kg (Rat)	-	-
MONOMETHYL ETHER ACETATE 108-65-6	= 8532 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
DIBUTYL PHTHALATE 84-74-2	= 7499 mg/kg (Rat)	> 20 mL/kg (Rabbit)	> 15.68 mg/L (Rat) 4 h
ETHYL BENZENE 100-41-4	= 3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	= 17.2 mg/L (Rat) 4 h
BLACK PIGMENT 1333-86-4	> 15400 mg/kg (Rat)	-	-
ETHYLENE GLYCOL 107-21-1	= 4700 mg/kg (Rat)	= 10600 mg/kg (Rat)	-

Information on toxicological effects

Symptoms Causes skin and serious eye irritation. Suspected of causing cancer. May damage fertility or the unborn child. May cause drowsiness or dizziness. May cause respiratory irritation. May cause damage to organs (listed below) through prolonged or repeated exposure. May be fatal if swallowed and enters airways.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Irritating to skin.

Eye damage/irritation Irritating to eyes.
Sensitization No information available.
Germ Cell Mutagenicity Not a germ cell mutagen.
Carcinogenicity The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen.
Talc (Magnesium Silicate) as used in this application , has no asbestos fibers or used as a body powder is not classified as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
TOLUENE 108-88-3	-	Group 3	-	-
TALC 14807-96-6	-	Group 2B -Talc based body powder for perineal dusting -possibly carcinogenic to humans	-	-
XYLENE 1330-20-7	-	Group 3	-	-
2-BUTOXYETHANOL 111-76-2	-	Group 3	-	-
SILICA,CRYSTALLINE, QUARTZ 14808-60-7	A2	Group 1	Known	X
ETHYL BENZENE 100-41-4	A3	Group 2B	-	-
BLACK PIGMENT 1333-86-4	A3	Group 2B	-	X

ACGIH: (American Conference of Governmental Industrial Hygienists)
A2 - Suspected Human Carcinogen
A3 - Animal Carcinogen
IARC: (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
Group 2B - Possibly Carcinogenic to Humans
Group 3 - Not Classifiable as to Carcinogenicity in Humans
NTP: (National Toxicity Program)
Known - Known Carcinogen
OSHA: (Occupational Safety & Health Administration)
X - Present

Reproductive toxicity This product does not contain any known or suspected reproductive hazards.
Specific target organ systemic toxicity (single exposure) May cause respiratory irritation. May cause drowsiness or dizziness.
Specific target organ systemic toxicity (repeated exposure) May cause damage to organs (Eyes, Skin, Gastrointestinal Tract, Central Nervous System, Liver, Kidney, Lungs, Respiratory System, and Reproductive System).
Chronic toxicity Intentional misuse by deliberately concentrating and inhaling is fatal. Prolonged exposure may cause chronic effects to skin and eyes. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest.
Target Organ Effects Eyes, Skin, Respiratory System, Central Nervous System , Gastrointestinal Tract, Liver, and Kidneys.
Aspiration hazard May be fatal if swallowed and enters airways.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 0.00000974% of the mixture consists of ingredient(s) of unknown toxicity.
The following values are calculated based on chapter 3.1 of the GHS document .
ATEmix (oral) 4658 mg/kg
ATEmix (dermal) 20478 mg/kg
ATEmix (inhalation-dust/mist) 29.6 mg/l
ATEmix (inhalation-vapor) 129 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates

ACETONE 67-64-1	-	4.74 - 6.33 mL/L LC50 Oncorhynchus mykiss 96h 6210 - 8120 mg/L LC50 Pimephales promelas 96h static 8300 mg/L LC50 Lepomis macrochirus 96h	-	10294 - 17704 mg/L EC50 Daphnia magna 48h Static 12600 - 12700 mg/L EC50 Daphnia magna 48h
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	-	-	-	-
TOLUENE 108-88-3	433 mg/L EC50 Pseudokirchneriella subcapitata 96h 12.5 mg/L EC50 Pseudokirchneriella subcapitata 72h static	15.22 - 19.05 mg/L LC50 Pimephales promelas 96h flow-through 12.6 mg/L LC50 Pimephales promelas 96h static 5.89 - 7.81 mg/L LC50 Oncorhynchus mykiss 96h flow-through 14.1 - 17.16 mg/L LC50 Oncorhynchus mykiss 96h static 5.8 mg/L LC50 Oncorhynchus mykiss 96h semi-static 11.0 - 15.0 mg/L LC50 Lepomis macrochirus 96h static 54 mg/L LC50 Oryzias latipes 96h static 28.2 mg/L LC50 Poecilia reticulata 96h semi-static 50.87 - 70.34 mg/L LC50 Poecilia reticulata 96h static	-	5.46 - 9.83 mg/L EC50 Daphnia magna 48h Static 11.5 mg/L EC50 Daphnia magna 48h
TALC 14807-96-6	-	100 g/L LC50 Brachydanio rerio 96h semi-static	-	-
XYLENE 1330-20-7	-	13.4 mg/L LC50 Pimephales promelas 96h flow-through 2.661 - 4.093 mg/L LC50 Oncorhynchus mykiss 96h static 13.5 - 17.3 mg/L LC50 Oncorhynchus mykiss 96h 13.1 - 16.5 mg/L LC50 Lepomis macrochirus 96h flow-through 19 mg/L LC50 Lepomis macrochirus 96h 7.711 - 9.591 mg/L LC50 Lepomis macrochirus 96h static 23.53 - 29.97 mg/L LC50 Pimephales promelas 96h static 780 mg/L LC50 Cyprinus carpio 96h semi-static 780 mg/L LC50 Cyprinus carpio 96h 30.26 - 40.75 mg/L LC50 Poecilia reticulata 96h static	-	3.82 mg/L EC50 water flea 48h 0.6 mg/L LC50 Gammarus lacustris 48h
TERTIARY BUTYL ACETATE 540-88-5	-	296 - 362 mg/L LC50 Pimephales promelas 96h flow-through	-	-
NAPHTHA(PETROLEUM)HVY AROMATIC 64742-94-5	-	19 mg/L LC50 Pimephales promelas 96h static 2.34 mg/L LC50 Oncorhynchus mykiss 96h 1740 mg/L LC50 Lepomis macrochirus 96h static 45 mg/L LC50 Pimephales promelas 96h flow-through 41 mg/L LC50 Pimephales promelas 96h	-	0.95 mg/L EC50 Daphnia magna 48h
METHYL ACETATE 99.5% 79-20-9	120 mg/L EC50 Desmodesmus subspicatus 72h	295 - 348 mg/L LC50 Pimephales promelas 96h flow-through 250 - 350 mg/L LC50 Brachydanio rerio 96h static	-	1026.7 mg/L EC50 Daphnia magna 48h

BUTYL ACETATE 123-86-4	674.7 mg/L EC50 Desmodesmus subspicatus 72h	100 mg/L LC50 Lepomis macrochirus 96h static 17 - 19 mg/L LC50 Pimephales promelas 96h flow-through	-	-
2-BUTOXYETHANOL 111-76-2	-	1490 mg/L LC50 Lepomis macrochirus 96h static 2950 mg/L LC50 Lepomis macrochirus 96h	-	1000 mg/L EC50 Daphnia magna 48h
MONOMETHYL ETHER ACETATE 108-65-6	-	161 mg/L LC50 Pimephales promelas 96h static	-	500 mg/L EC50 Daphnia magna 48h
DIBUTYL PHTHALATE 84-74-2	1.2 mg/L EC50 Desmodesmus subspicatus 72h 0.4 mg/L EC50 Pseudokirchneriella subcapitata 96h static	0.71 - 1.2 mg/L LC50 Pimephales promelas 96h flow-through 0.31 - 5.45 mg/L LC50 Pimephales promelas 96h static 1.24 mg/L LC50 Oncorhynchus mykiss 96h flow-through 1.24 - 5.3 mg/L LC50 Oncorhynchus mykiss 96h static 1.38 - 1.74 mg/L LC50 Lepomis macrochirus 96h flow-through 0.42 - 1.28 mg/L LC50 Lepomis macrochirus 96h static	-	2.99 mg/L EC50 Daphnia magna 48h Static 3.4 mg/L EC50 Daphnia magna 48h
ETHYL BENZENE 100-41-4	4.6 mg/L EC50 Pseudokirchneriella subcapitata 72h 438 mg/L EC50 Pseudokirchneriella subcapitata 96h 2.6 - 11.3 mg/L EC50 Pseudokirchneriella subcapitata 72h static 1.7 - 7.6 mg/L EC50 Pseudokirchneriella subcapitata 96h static	11.0 - 18.0 mg/L LC50 Oncorhynchus mykiss 96h static 4.2 mg/L LC50 Oncorhynchus mykiss 96h semi-static 7.55 - 11 mg/L LC50 Pimephales promelas 96h flow-through 32 mg/L LC50 Lepomis macrochirus 96h static 9.1 - 15.6 mg/L LC50 Pimephales promelas 96h static 9.6 mg/L LC50 Poecilia reticulata 96h static	-	1.8 - 2.4 mg/L EC50 Daphnia magna 48h
ETHYLENE GLYCOL 107-21-1	6500 - 13000 mg/L EC50 Pseudokirchneriella subcapitata 96h	41000 mg/L LC50 Oncorhynchus mykiss 96h 14 - 18 mL/L LC50 Oncorhynchus mykiss 96h static 27540 mg/L LC50 Lepomis macrochirus 96h static 40761 mg/L LC50 Oncorhynchus mykiss 96h static 40000 - 60000 mg/L LC50 Pimephales promelas 96h static 16000 mg/L LC50 Poecilia reticulata 96h static	-	46300 mg/L EC50 Daphnia magna 48h

Persistence and degradability

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Bioaccumulation

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Chemical Name	log Pow
ACETONE 67-64-1	-0.24
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	<=2.8
TOLUENE 108-88-3	2.7
XYLENE 1330-20-7	2.77 - 3.15
TERTIARY BUTYL ACETATE 540-88-5	1.38

NAPHTHA(PETROLEUM)HVY AROMATIC 64742-94-5	2.9 - 6.1
METHYL ACETATE 99.5% 79-20-9	0.18
BUTYL ACETATE 123-86-4	1.81
2-BUTOXYETHANOL 111-76-2	0.81
MONOMETHYL ETHER ACETATE 108-65-6	0.43
DIBUTYL PHTHALATE 84-74-2	5.38
ETHYL BENZENE 100-41-4	3.2
ETHYLENE GLYCOL 107-21-1	-1.93

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state, and local regulations.

Contaminated packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Ground CONSUMER COMMODITY ORM-D
or
LIMITED QUANTITY

IATA UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD.QTY.

IMDG UN1950, AEROSOLS, 2.1, LTD.QTY

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
ACETONE	X	X	X	X	X	X	X	X
PROPANE/ISOBUTANE/N-BUTANE	X	X	X	x	X	X	X	X
TOLUENE	X	X	X	X	X	X	X	X
TALC	X	X	X	X	X	X	X	X
XYLENE	X	X	X	X	X	X	X	X
TRISODIUM PHOSPHATE	Not listed	Not listed	Not listed	Not listed	X	Not listed	X	X

TERTIARY BUTYL ACETATE	X	X	X	X	X	X	X	X
NAPHTHA(PETROLEUM)HVY AROMATIC	X	X	X	X	X	X	X	X
METHYL ACETATE 99.5%	X	X	X	X	X	X	X	X
CALCIUM CARBONATE	X	X	X	X	X	X	X	X
BUTYL ACETATE	X	X	X	X	X	X	X	X
2-BUTOXYETHANOL	X	X	X	X	X	X	X	X
SILICA,CRYSTALLINE, QUARTZ	X	X	X	X	X	X	X	X
MONOMETHYL ETHER ACETATE	X	X	X	X	X	X	X	X
DIBUTYL PHTHALATE	X	X	X	X	X	X	X	X
ETHYL BENZENE	X	X	X	X	X	X	X	X
BLACK PIGMENT	X	X	X	X	X	X	X	X
ETHYLENE GLYCOL	X	X	X	X	X	X	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
CHINA - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %*	SARA 313 - Threshold Values %
TOLUENE - 108-88-3	108-88-3	1-10	1.0
XYLENE - 1330-20-7	1330-20-7	1-10	1.0
2-BUTOXYETHANOL - 111-76-2	111-76-2	1-10	1.0
DIBUTYL PHTHALATE - 84-74-2	84-74-2	1-10	1.0
ETHYL BENZENE - 100-41-4	100-41-4	>1	0.1
ETHYLENE GLYCOL - 107-21-1	107-21-1	<0.1	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Star Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	No

Clean Water Act

This product does contain the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
TOLUENE 108-88-3	1000 lb	X	X	X

XYLENE 1330-20-7	100 lb			X
TRISODIUM PHOSPHATE 10101-89-0				X
TERTIARY BUTYL ACETATE 540-88-5				X
BUTYL ACETATE 123-86-4	5000 lb			X
DIBUTYL PHTHALATE 84-74-2	10 lb	X	X	X
ETHYL BENZENE 100-41-4	1000 lb	X	X	X

CERCLA

This material, as supplied, does contain substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
ACETONE 67-64-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
TOLUENE 108-88-3	1000 lb 1 lb		RQ 1000 lb final RQ RQ 454 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ
XYLENE 1330-20-7	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
TRISODIUM PHOSPHATE 10101-89-0	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
TERTIARY BUTYL ACETATE 540-88-5	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
BUTYL ACETATE 123-86-4	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
DIBUTYL PHTHALATE 84-74-2	10 lb		RQ 10 lb final RQ RQ 4.54 kg final RQ
ETHYL BENZENE 100-41-4	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
ETHYLENE GLYCOL 107-21-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

This product as supplied, does not contain respirable particles of crystalline silica.(CAS # 14808-60-7) Such bound and non-respirable particles are not considered to be hazardous under Proposition 65.

Carbon Black (CAS # 1333-86-4), must be airborne, unbound, and of a particle size< 10 micrometers in diameter to be considered a Proposition 65 chemical. For this product, Carbon Black is bound in the product and no inhalation exposure will occur during the handling or use of this product in this application.

Ethylene Glycol CAS # 107-21-1) is considered a Proposition 65 chemical for developmental only when ingested. The purpose of this product is not for ingestion.

Chemical Name	California Prop. 65
TOLUENE - 108-88-3	Developmental 1-10%
TALC - 14807-96-6	Cancer 1-10%
SILICA,CRYSTALLINE, QUARTZ - 14808-60-7	Cancer 1-10%
DIBUTYL PHTHALATE - 84-74-2	Developmental Female Reproductive Male Reproductive 1-10%
ETHYL BENZENE - 100-41-4	Cancer / <1%
BLACK PIGMENT - 1333-86-4	Cancer <1%
ETHYLENE GLYCOL - 107-21-1	Developmental (ingested) <0.1%

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
ACETONE 67-64-1	X		X
TOLUENE 108-88-3	X	X	X
TALC 14807-96-6	X	X	X
XYLENE 1330-20-7	X	X	X
TRISODIUM PHOSPHATE 10101-89-0		X	X
TERTIARY BUTYL ACETATE 540-88-5	X	X	X
METHYL ACETATE 99.5% 79-20-9	X	X	X
CALCIUM CARBONATE 1317-65-3	X	X	X
BUTYL ACETATE 123-86-4	X	X	X
2-BUTOXYETHANOL 111-76-2	X	X	X
SILICA,CRYSTALLINE, QUARTZ 14808-60-7	X	X	X
DIBUTYL PHTHALATE 84-74-2	X	X	X
ETHYL BENZENE 100-41-4	X	X	X
BLACK PIGMENT 1333-86-4	X	X	X
ETHYLENE GLYCOL 107-21-1	X	X	X

EPA Pesticide Registration Number Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

16. OTHER INFORMATION

NFPA **Health Hazard** 2 **Flammability** 4 **Instability** 0 **Physical and chemical hazards** -

HMIS **Health Hazard** 2* **Flammability** 4 **Physical Hazard** 1 **Personal protection** B

Chronic Hazard Star Legend *Chronic Health Star Hazard Repeated or prolonged exposure may cause central nervous system damage*

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Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet