



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** FAST ACTIVATOR  
**Other means of identification**  
**Product code** IMP 5865  
**Recommended use** Activator  
**Recommended restrictions** FOR PROFESSIONAL USE ONLY

## Manufacturer or supplier's details

**Company** REFINISH DISTRIBUTORS ALLIANCE, INC.  
**Address** P.O. BOX 10431  
JACKSON, TN 38308  
**Phone** 731-394-9366  
**Website** [www.rda-impact.com](http://www.rda-impact.com)

EMERGENCY 24 Hrs.

EMERGENCY 24 Hrs.

ChemTrec 800-424-9300

## 2. Hazard(s) identification

<b>Physical hazards</b>	Flammable liquids	Category 2
<b>Health hazards</b>	Acute toxicity, oral	Category 4
	Acute toxicity, dermal	Category 4
	Acute toxicity, inhalation	Category 3
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization, respiratory	Category 1
	Sensitization, skin	Category 1
	Germ cell mutagenicity	Category 1B
	Carcinogenicity	Category 1B
Reproductive toxicity	Category 2	
Specific target organ toxicity, repeated exposure	Category 1	
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 3
	Hazardous to the aquatic environment, long-term hazard	Category 3
<b>OSHA defined hazards</b>	Not classified.	

### Label elements



**Signal word**

Danger

**Hazard statement**

Highly flammable liquid and vapor. Harmful if swallowed. Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

**Precautionary statement****Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.

**Response**

If swallowed: Call a poison center/doctor if you feel unwell. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor. Rinse mouth. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. If experiencing respiratory symptoms: Call a poison center/doctor. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.

**Storage**

Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)**

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

**Supplemental information**

65.25% of the mixture consists of component(s) of unknown acute oral toxicity. 68.51% of the mixture consists of component(s) of unknown acute dermal toxicity. 37.19% of the mixture consists of component(s) of unknown acute inhalation toxicity. 75.59% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 75.51% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

**3. Composition/information on ingredients****Mixtures**

Chemical name	Common name and synonyms	CAS number	%
Hexamethylene Diisocyanate		28182-81-2	20 - < 40
Xylene		1330-20-7	10 - < 25
Tert Butyl Acetate		540-88-5	10 - < 20
2-Butoxyethylacetate		112-07-2	5 - < 15
1, 6-Hexamethylene Diisocyanate Regulatory		822-06-0	0 < 5
Butyl Cellosolve/Glycol Ether EB		111-76-2	0 < 5
Ethylbenzene		100-41-4	0 - < 5
Isophorone Diisocyanate Regulatory		4098-71-9	0 < 5
N-Butyl Acetate		123-86-4	0 - < 5
Solvent Naphtha, petroleum, light aromatic		64742-95-6	0 - < 5
tert-Butyl Alcohol		75-65-0	0 < 5
Trimethyl Benzene		95-63-6	0 < 5
Other components below reportable levels			20 - < 30

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First-aid measures

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Get medical advice/attention if you feel unwell. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.
<b>Most important symptoms/effects, acute and delayed</b>	Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Difficulty in breathing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
<b>Unsuitable extinguishing media</b>	Water. Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Highly flammable liquid and vapor.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
--	--

---

## Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

**Large Spills:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. Following product recovery, flush area with water.

**Small Spills:** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

## Environmental precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases. Use appropriate containment to avoid environmental contamination.

## 7. Handling and storage

### Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".

### Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2)	PEL	240 mg/m3
		50 ppm
Ethylbenzene (CAS 100-41-4)	PEL	435 mg/m3
		100 ppm
N-Butyl Acetate (CAS 123-86-4)	PEL	710 mg/m3
		150 ppm
Tert Butyl Acetate (CAS 540-88-5)	PEL	950 mg/m3
		200 ppm

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
tert-Butyl Alcohol (CAS 75-65-0)	PEL	300 mg/m3
		100 ppm
Xylene (CAS 1330-20-7)	PEL	435 mg/m3
		100 ppm

**US. ACGIH Threshold Limit Values**

<b>Components</b>	<b>Type</b>	<b>Value</b>
1, 6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0)	TWA	0.005 ppm
2-Butoxyethylacetate (CAS 112-07-2)	TWA	20 ppm
Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2)	TWA	20 ppm
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Isophorone Diisocyanate Regulatory (CAS 4098-71-9)	TWA	0.005 ppm
N-Butyl Acetate (CAS 123-86-4)	STEL	200 ppm
	TWA	150 ppm
Tert Butyl Acetate (CAS 540-88-5)	TWA	200 ppm
tert-Butyl Alcohol (CAS 75-65-0)	TWA	100 ppm
Trimethyl Benzene (CAS 95-63-6)	TWA	25 ppm
Xylene (CAS 1330-20-7)	STEL	150 ppm
	TWA	100 ppm

**US. NIOSH: Pocket Guide to Chemical Hazards**

<b>Components</b>	<b>Type</b>	<b>Value</b>
1, 6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0)	Ceiling	0.14 mg/m3
		0.02 ppm
	TWA	0.035 mg/m3
		0.005 ppm
2-Butoxyethylacetate (CAS 112-07-2)	TWA	33 mg/m3
		5 ppm
Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2)	TWA	24 mg/m3
		5 ppm
Ethylbenzene (CAS 100-41-4)	STEL	545 mg/m3
		125 ppm
	TWA	435 mg/m3
		100 ppm
Isophorone Diisocyanate Regulatory (CAS 4098-71-9)	STEL	0.18 mg/m3
		0.02 ppm
	TWA	0.045 mg/m3
		0.005 ppm
N-Butyl Acetate (CAS 123-86-4)	STEL	950 mg/m3

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
		200 ppm
	TWA	710 mg/m <sup>3</sup>
		150 ppm
Tert Butyl Acetate (CAS 540-88-5)	TWA	950 mg/m <sup>3</sup>
		200 ppm
tert-Butyl Alcohol (CAS 75-65-0)	STEL	450 mg/m <sup>3</sup>
		150 ppm
	TWA	300 mg/m <sup>3</sup>
		100 ppm
Trimethyl Benzene (CAS 95-63-6)	TWA	125 mg/m <sup>3</sup>
		25 ppm

**Biological limit values**
**ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2)	200 mg/g	Butoxyacetic acid (BAA), with hydrolysis	Creatinine in urine	
Ethylbenzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	

\* - For sampling details, please see the source document.

**Exposure guidelines**
**US - California OELs: Skin designation**

Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2) Can be absorbed through the skin.  
 Isophorone Diisocyanate Regulatory (CAS 4098-71-9) Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**

Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2) Skin designation applies.  
 Isophorone Diisocyanate Regulatory (CAS 4098-71-9) Skin designation applies.

**US - Tennessee OELs: Skin designation**

Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2) Can be absorbed through the skin.  
 Isophorone Diisocyanate Regulatory (CAS 4098-71-9) Can be absorbed through the skin.

**US NIOSH Pocket Guide to Chemical Hazards: Skin designation**

Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2) Can be absorbed through the skin.  
 Isophorone Diisocyanate Regulatory (CAS 4098-71-9) Can be absorbed through the skin.

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2) Can be absorbed through the skin.

**Appropriate engineering controls**

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Chemical respirator with organic vapor cartridge and full facepiece.

**Skin protection**

**Hand protection** Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

**Other** Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection** Chemical respirator with organic vapor cartridge and full facepiece.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

## General hygiene considerations

When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and chemical properties

### Appearance

Physical state	Liquid.
Form	Liquid.
Color	Colorless
Odor	Solvent.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	-82.3 °F (-63.5 °C) estimated
Initial boiling point and boiling range	208.04 °F (97.8 °C) estimated
Flash point	61.9 °F (16.6 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.

### Upper/lower flammability or explosive limits

Flammability limit - lower (%)	1.5 % estimated
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	21.34 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	645 °F (340.56 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.

### Other information

Density	0.91 g/cm <sup>3</sup> estimated
Flammability class	Flammable IB estimated
Percent volatile	60 w/w % By Weight 63.35 v/v % By Volume
Specific gravity	0.91 estimated
VOC (Weight %)	3.87 lb/gal (Actual VOC - With Water Less Exempts) 4.52 lb/gal (Regulatory VOC - Less Water Less Exempts) 463.97 g/L (Actual VOC - With Water With Exempts) 542.16 g/L (Regulatory VOC - Less Water Less Exempts)

## 10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

**Incompatible materials** Strong oxidizing agents. Nitrates. Halogens.

**Hazardous decomposition products** No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Toxic if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>Skin contact</b>	Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Ingestion</b>	Harmful if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics** Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Difficulty in breathing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

### Information on toxicological effects

**Acute toxicity** Toxic if inhaled. Harmful in contact with skin. Harmful if swallowed. May cause an allergic skin reaction.

Components	Species	Test Results
1, 6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	593 mg/kg
<b>Inhalation</b>		
LC50	Mouse	0.03 mg/l, 2 Hours
	Rat	40 mg/l, 1 Hours
		22 mg/l, 4 Hours
		0.385 mg/l, 6 Hours
<b>Oral</b>		
LD50	Cat	1100 mg/kg
	Mouse	1980 mg/kg
	Rat	960 mg/kg
2-Butoxyethylacetate (CAS 112-07-2)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	1500 mg/kg
<b>Oral</b>		
LD50	Rat	2400 mg/kg
Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	400 mg/kg
<b>Inhalation</b>		
LC50	Mouse	700 ppm, 7 Hours
	Rat	450 ppm, 4 Hours
<b>Oral</b>		
LD50	Guinea pig	1.2 g/kg
	Mouse	1.2 g/kg
	Rabbit	0.32 g/kg
	Rat	560 mg/kg



Components	Species	Test Results
Ethylbenzene (CAS 100-41-4)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	17800 mg/kg
<b>Oral</b>		
LD50	Rat	3500 mg/kg
Isophorone Diisocyanate Regulatory (CAS 4098-71-9)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	1060 mg/kg
<b>Inhalation</b>		
LC50	Rat	0.123 mg/l, 4 Hours 0.033 mg/l
<b>Oral</b>		
LD50	Mouse	> 2500 mg/kg
	Rat	> 1000 mg/kg
N-Butyl Acetate (CAS 123-86-4)		
<b>Acute</b>		
<b>Inhalation</b>		
LC50	Wistar rat	160 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	14000 mg/kg
tert-Butyl Alcohol (CAS 75-65-0)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rabbit	3.6 g/kg
	Rat	3.5 g/kg
Trimethyl Benzene (CAS 95-63-6)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 3160 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 2000 ppm, 48 Hours
<b>Oral</b>		
LD50	Rat	6 g/kg
Xylene (CAS 1330-20-7)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 43 g/kg
<b>Inhalation</b>		
LC50	Mouse	3907 mg/l, 6 Hours
	Rat	6350 mg/l, 4 Hours
<b>Oral</b>		
LD50	Mouse	1590 mg/kg
	Rat	3523 - 8600 mg/kg

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/eye irritation** Causes serious eye irritation.

<b>Respiratory or skin sensitization</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>Skin sensitization</b>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	May cause genetic defects.
<b>Carcinogenicity</b>	May cause cancer.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2)	3 Not classifiable as to carcinogenicity to humans.
Ethylbenzene (CAS 100-41-4)	2B Possibly carcinogenic to humans.
Xylene (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

<b>Reproductive toxicity</b>	Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. Suspected of damaging fertility or the unborn child.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Causes damage to organs through prolonged or repeated exposure.
<b>Aspiration hazard</b>	Not an aspiration hazard.
<b>Chronic effects</b>	Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

**12. Ecological information**

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

Components		Species	Test Results
Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2)			
<b>Aquatic</b>			
Fish	LC50	Inland silverside (Menidia beryllina)	1250 mg/l, 96 hours
Ethylbenzene (CAS 100-41-4)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia magna)	1.37 - 4.4 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	7.5 - 11 mg/l, 96 hours
N-Butyl Acetate (CAS 123-86-4)			
<b>Aquatic</b>			
Fish	LC50	Fathead minnow (Pimephales promelas)	17 - 19 mg/l, 96 hours
Tert Butyl Acetate (CAS 540-88-5)			
<b>Aquatic</b>			
Fish	LC50	Fathead minnow (Pimephales promelas)	296 - 362 mg/l, 96 hours
tert-Butyl Alcohol (CAS 75-65-0)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia magna)	4607 - 6577 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	6130 - 6700 mg/l, 96 hours
Trimethyl Benzene (CAS 95-63-6)			
<b>Aquatic</b>			
Fish	LC50	Fathead minnow (Pimephales promelas)	7.19 - 8.28 mg/l, 96 hours
Xylene (CAS 1330-20-7)			
<b>Aquatic</b>			
Fish	LC50	Bluegill (Lepomis macrochirus)	7.711 - 9.591 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential**

**Partition coefficient n-octanol / water (log Kow)**

Butyl Cellosolve/Glycol Ether EB 0.83

<b>Partition coefficient n-octanol / water (log Kow)</b>	
Ethylbenzene	3.15
N-Butyl Acetate	1.78
Tert Butyl Acetate	1.76
tert-Butyl Alcohol	0.35
Xylene	3.12 - 3.2

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

The following transportation information is provided based on the manufacturer's interpretation of shipping regulations. Each shipper is responsible for identifying, naming, marking, and labeling prior to offering for transport.

#### DOT

**UN number** UN1263  
**UN proper shipping name** Paint related material including paint thinning, drying, removing, or reducing compound  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk**  
**Label(s)** 3  
**Packing group** II  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Special provisions** 149, B52, IB2, T4, TP1, TP8, TP28  
**Packaging exceptions** 150  
**Packaging non bulk** 173  
**Packaging bulk** 242

#### IATA

**UN number** UN1263  
**UN proper shipping name** Paint related material (including paint thinning or reducing compounds)  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk**  
**Packing group** II  
**Environmental hazards** No.  
**ERG Code** 3L  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Other information**  
**Passenger and cargo aircraft** Allowed.  
**Cargo aircraft only** Allowed.

#### IMDG

**UN number** UN1263  
**UN proper shipping name** PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)  
**Transport hazard class(es)**  
**Class** 3

<b>Subsidiary risk</b>	II
<b>Packing group</b>	II
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No.
<b>EmS</b>	F-E, S-E
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not established.
<b>DOT</b>	



IATA; IMDG



## 15. Regulatory information

**US federal regulations**      This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
 One or more components are not listed on TSCA.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### CERCLA Hazardous Substance List (40 CFR 302.4)

1, 6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0)	Listed.
2-Butoxyethylacetate (CAS 112-07-2)	Listed.
Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2)	Listed.
Ethylbenzene (CAS 100-41-4)	Listed.
N-Butyl Acetate (CAS 123-86-4)	Listed.
Tert Butyl Acetate (CAS 540-88-5)	Listed.
tert-Butyl Alcohol (CAS 75-65-0)	Listed.
Xylene (CAS 1330-20-7)	Listed.

### SARA 304 Emergency release notification

Isophorone Diisocyanate Regulatory (CAS 4098-71-9)      500 LBS

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

<b>Hazard categories</b>	Immediate Hazard - Yes
	Delayed Hazard - Yes
	Fire Hazard - Yes
	Pressure Hazard - No
	Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Chemical name	CAS number	Reportable quantity	Threshold planning quantity	Threshold planning quantity, lower value	Threshold planning quantity, upper value
---------------	------------	---------------------	-----------------------------	--	--

Isophorone Diisocyanate Regulatory	4098-71-9	500	500 lbs		
------------------------------------	-----------	-----	---------	--	--

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Xylene	1330-20-7	10 - < 25
2-Butoxyethylacetate	112-07-2	5 - < 15
1, 6-Hexamethylene Diisocyanate Regulatory	822-06-0	0 < 5
Butyl Cellosolve/Glycol Ether EB	111-76-2	0 < 5
Ethylbenzene	100-41-4	0 - < 5
Isophorone Diisocyanate Regulatory	4098-71-9	0 < 5
tert-Butyl Alcohol	75-65-0	0 < 5
Trimetyl Benzene	95-63-6	0 < 5

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

1, 6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0)  
 2-Butoxyethylacetate (CAS 112-07-2)  
 Ethylbenzene (CAS 100-41-4)  
 Xylene (CAS 1330-20-7)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**US state regulations****US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

1, 6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0)  
 2-Butoxyethylacetate (CAS 112-07-2)  
 Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2)  
 Ethylbenzene (CAS 100-41-4)  
 Isophorone Diisocyanate Regulatory (CAS 4098-71-9)  
 Solvent Naphtha, petroleum, light aromatic (CAS 64742-95-6)  
 tert-Butyl Alcohol (CAS 75-65-0)  
 Trimetyl Benzene (CAS 95-63-6)  
 Xylene (CAS 1330-20-7)

**US. Massachusetts RTK - Substance List**

1, 6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0)  
 Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2)  
 Ethylbenzene (CAS 100-41-4)  
 Isophorone Diisocyanate Regulatory (CAS 4098-71-9)  
 N-Butyl Acetate (CAS 123-86-4)  
 Tert Butyl Acetate (CAS 540-88-5)  
 tert-Butyl Alcohol (CAS 75-65-0)  
 Trimetyl Benzene (CAS 95-63-6)  
 Xylene (CAS 1330-20-7)

**US. New Jersey Worker and Community Right-to-Know Act**

1, 6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0)  
 2-Butoxyethylacetate (CAS 112-07-2)  
 Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2)  
 Ethylbenzene (CAS 100-41-4)  
 Isophorone Diisocyanate Regulatory (CAS 4098-71-9)  
 N-Butyl Acetate (CAS 123-86-4)  
 Tert Butyl Acetate (CAS 540-88-5)

tert-Butyl Alcohol (CAS 75-65-0)  
Trimethyl Benzene (CAS 95-63-6)  
Xylene (CAS 1330-20-7)

#### US. Pennsylvania Worker and Community Right-to-Know Law

2-Butoxyethylacetate (CAS 112-07-2)  
Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2)  
Ethylbenzene (CAS 100-41-4)  
Isophorone Diisocyanate Regulatory (CAS 4098-71-9)  
N-Butyl Acetate (CAS 123-86-4)  
Tert Butyl Acetate (CAS 540-88-5)  
tert-Butyl Alcohol (CAS 75-65-0)  
Trimethyl Benzene (CAS 95-63-6)  
Xylene (CAS 1330-20-7)

#### US. Rhode Island RTK

1, 6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0)  
2-Butoxyethylacetate (CAS 112-07-2)  
Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2)  
Ethylbenzene (CAS 100-41-4)  
Isophorone Diisocyanate Regulatory (CAS 4098-71-9)  
N-Butyl Acetate (CAS 123-86-4)  
Tert Butyl Acetate (CAS 540-88-5)  
tert-Butyl Alcohol (CAS 75-65-0)  
Trimethyl Benzene (CAS 95-63-6)  
Xylene (CAS 1330-20-7)

#### US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

#### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Ethylbenzene (CAS 100-41-4) Listed: June 11, 2004

#### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

#### 16. Other information

**Version** 2.1  
**Revision Date** 08/22/2020

**Disclaimer** Our company cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.