

SAFETY DATA SHEET

1. Identification

Product identifier: Premier Grain Liquid

Other means of identification

SDS number:

Recommended use and restriction on use Recommended use:

Brush on Lacquer Product

Manufacturer: Premier Packaging Corp.
9424 Gulfstream Road
Frankfort IL 60423
815-469-7951
815-469-8047 fax

Emergency telephone number:For emergency assistance Involving chemicals

call CHEMTREC day or night at: 1-800-424-9300. CHEMTREC INTERNATIONAL Tel# 703-527-3887

2. Hazard(s) identification

Hazard classification

Physical hazards

Flammable liquids Category 2

Health hazards

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2A

Carcinogenicity Category 2

Toxic to reproduction Category 2

Environmental hazardsAcute hazards Category 2
to the aquatic environment

Label elements

Hazard symbol

**Signal word**

Danger

Hazard statement

Poison: Vapor harmful; May be fatal or cause blindness if swallowed;
Cannot be made nonpoisonous.
Highly flammable liquid and vapor.
Causes skin irritation.
Causes serious eye irritation.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
Toxic to aquatic life.

Precautionary statement**Prevention**

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. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Response

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 (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. Specific treatment (see this label). Take off contaminated

clothing and wash before reuse. In case of fire: Use ... to extinguish.

Storage Store in well-ventilated place. Store locked up.

Disposal Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification 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.

3. Composition/information on ingredients

Mixtures

Chemical identity	Common name and synonyms	CAS number	Content in percent (%)*
Acetone		67-64-1	>=35 - <=45%
Toluene		108-88-3	>=25 - <=35%
Xylene		1330-20-7	>=10 - <=20%
n-Butyl acetate		123-86-4	>=0 - <=10%
Methanol		67-56-1	>=0 - <=10%
Ethylbenzene		100-41-4	>=0 - <=5%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments: The components are not hazardous or are below required disclosure limits.

4. First-aid measures

Ingestion: Get medical attention immediately. Never give liquid to an unconscious person.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped.

Skin contact: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Eye contact: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Most important symptoms/effects, acute and delayed Symptoms: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.

5. Fire-fighting measures

General fire hazards: No data available.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use: Carbon dioxide or dry powder. Alcohol resistant foam. Water spray. Water in large amounts.

Unsuitable extinguishing media: No data available.

Specific hazards arising from the chemical: No data available.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: No data available.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: No data available.

Methods and material for containment and cleaning up: All equipment used when handling the product must be grounded. Eliminate sources of ignition. Absorb spillage with non-combustible, absorbent material. Dike for later disposal. Prevent runoff from entering drains, sewers, or streams.

7. Handling and storage

Precautions for safe handling: Flammable/combustible - Keep away from oxidizers, heat and flames. Use personal protective equipment as required. Use only with adequate ventilation. Avoid breathing mists or vapors. Do not get in eyes, on skin, on clothing.

Conditions for safe storage, including any incompatibilities: No data available.

8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Chemical identity	Type	Exposure Limit values	Source
Acetone	TWA	750 ppm 1,800 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	1,000 ppm 2,400 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	ST ESL	5,900 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	590 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL	2,500 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	250 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	Ceiling	3,000 ppm	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	TWA PEL	500 ppm 1,200 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	STEL	750 ppm 1,780 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne

			Contaminants (02 2012)
	TWA	500 ppm	US. ACGIH Threshold Limit Values (03 2013)
	STEL	750 ppm	US. ACGIH Threshold Limit Values (03 2013)
	TWA	200 ppm	US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values (03 2013)
	STEL	500 ppm	US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values (03 2013)
	REL	250 ppm	590 mg/m3 US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	1,000 ppm	2,400 mg/m3 US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	750 ppm	1,800 mg/m3 US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	1,000 ppm	2,400 mg/m3 US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Toluene	TWA	20 ppm	US. ACGIH Threshold Limit Values (03 2013)
	REL	100 ppm	375 mg/m3 US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	STEL	150 ppm	560 mg/m3 US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	TWA	100 ppm	375 mg/m3 US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	150 ppm	560 mg/m3 US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	Ceiling	300 ppm	US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	TWA	200 ppm	US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	MAX. CONC	500 ppm	US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	TWA	100 ppm	375 mg/m3 US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	150 ppm	580 mg/m3 US. Tennessee. OELs. Occupational

		mg/m3	Exposure Limits, Table Z1A (06 2008)
	AN ESL	1,200 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL	3,470 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL	920 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	330 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	Ceiling	500 ppm	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	TWA PEL	10 ppm 37 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	STEL	150 ppm 560 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
Xylene	STEL	150 ppm	US. ACGIH Threshold Limit Values (03 2013)
	TWA	100 ppm	US. ACGIH Threshold Limit Values (03 2013)
	REL	100 ppm 435 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	REL	100 ppm 435 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	STEL	150 ppm 655 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	STEL	150 ppm 655 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	STEL	150 ppm 655 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	REL	100 ppm 435 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	100 ppm 435	US. OSHA Table Z-1 Limits for Air

			mg/m3	Contaminants (29 CFR 1910.1000) (02 2006)
	STEL	150 ppm	655 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	100 ppm	435 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	100 ppm	435 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	150 ppm	655 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	AN ESL		180 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL		350 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL		80 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL		42 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	TWA PEL	100 ppm	435 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	Ceiling	300 ppm		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	STEL	150 ppm	655 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
n-Butyl acetate	TWA	150 ppm		US. ACGIH Threshold Limit Values (03 2013)
	STEL	200 ppm		US. ACGIH Threshold Limit Values (03 2013)
	REL	150 ppm	710 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	STEL	200 ppm	950 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)

	PEL	150 ppm	710 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	STEL	200 ppm	950 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	150 ppm	710 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	150 ppm	710 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	200 ppm	950 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	ST ESL		210 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL		45 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL		190 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL		39 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	TWA PEL	150 ppm	710 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	STEL	200 ppm	950 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
Methanol	TWA	200 ppm		US. ACGIH Threshold Limit Values (03 2013)
	STEL	250 ppm		US. ACGIH Threshold Limit Values (03 2013)
	REL	200 ppm	260 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	STEL	250 ppm	325 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	200 ppm	260 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

			(02 2006)
	TWA	200 ppm 260 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	250 ppm 325 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	200 ppm 260 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	250 ppm 325 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	ST ESL	2,620 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL	2,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	262 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	200 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	Ceiling	1,000 ppm	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	TWA PEL	200 ppm 260 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	STEL	250 ppm 325 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
Ethylbenzene	TWA	20 ppm	US. ACGIH Threshold Limit Values (03 2013)
	STEL	125 ppm 545 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	REL	100 ppm 435 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	100 ppm 435 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)

	TWA	100 ppm	435 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	125 ppm	545 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	100 ppm	435 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	125 ppm	545 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	AN ESL		570 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL		740 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL		170 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL		135 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	TWA PEL	100 ppm	435 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	STEL	125 ppm	545 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)

Biological limit values

Chemical identity	Exposure Limit values	Source
Acetone (acetone: Sampling time: End of shift.)	50 mg/l (Urine)	ACGIH BEL (03 2013)
Toluene (o-Cresol, with hydrolysis: Sampling time: End of shift.)	0.3 mg/g (Creatinine in urine)	ACGIH BEL (03 2013)
Toluene (toluene: Sampling time: Prior to last shift of work)	0.02 mg/l (Blood)	ACGIH BEL (03 2013)

week.)		
Toluene (toluene: Sampling time: End of shift.)	0.03 mg/l (Urine)	ACGIH BEL (03 2013)
Xylene (Methylhippuric acids: Sampling time: End of shift.)	1.5 g/g (Creatinine in urine)	ACGIH BEL (03 2013)
Methanol (methanol: Sampling time: End of shift.)	15 mg/l (Urine)	ACGIH BEL (03 2013)
Ethylbenzene (Sum of mandelic acid and phenylglyoxylic acid: Sampling time: End of shift at end of work week.)	0.7 g/g (Creatinine in urine)	ACGIH BEL (03 2013)

Appropriate engineering controls No data available.

Individual protection measures, such as personal protective equipment

General information: No data available.

Eye/face protection: No data available.

Skin protection

Hand protection: No data available.

Other: No data available.

Respiratory protection: No data available.

Hygiene measures: No data available.

9. Physical and chemical properties

Physical state: Liquid

Form: No data available.

Color: No data available.

Odor: No data available.

Odor threshold: No data available.

pH: No data available.

Melting point/freezing point: No data available.

Initial boiling point and boiling range: 56 - 142 °C

Flash Point:	-16 °C
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Relative density:	No data available.
Solubility(ies)	
Solubility in water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical stability:	No data available.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	No data available.
Incompatible materials:	No data available.
Hazardous decomposition products:	No data available.

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion:	No data available.
Inhalation:	No data available.
Skin contact:	No data available.

Eye contact: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix (): 4,074.768302 mg/kg

Dermal

Product:

Not classified for acute toxicity based on available data.

Inhalation

Product: No data available.

Specified substance(s):

Acetone

LC 50 (Rat,) : 76 mg/l (, No) 2 (reliable with restrictions) LC 50 (Rat, 4 h): 76 mg/l

Specified substance(s):

Toluene

LC 50 (Rat, 4 h): 8,000 mg/l

Specified substance(s):

Xylene

LC 50 (Mouse, 6 h): 3,907 mg/l

Specified substance(s):

n-Butyl acetate

LC 50 (Rat,) : > 21.1 mg/l (, Yes) 1 (reliable without restriction)

Specified substance(s):

Methanol

LC 50 (Rat, 4 h): 64,000 mg/l LC 50 (Cat, 6 h): 43.68 mg/l LC 50 (Cat, 4.5 h): 85.41 mg/l LC 50 (Rat, 6 h): 87.5 mg/l LC 50 (Rat,) : > 115.9 mg/l (, No) 2 (reliable with restrictions)

Repeated dose toxicity

Product: No data available.

Skin corrosion/irritation

Product: No data available.

Serious eye damage/eye irritation

Product: No data available.

Specified substance(s):

Acetone

Exposure for 15 minutes to 1660 ppm causes irritation of eyes

Specified substance(s):

Ethylbenzene

Exposure to 21.5 g/m³ (5000 ppm) ethylbenzene for a few seconds gives intolerable irritation of nose, eyes, and throat
Exposure to a concentration of 5000 ppm causes intolerable irritation of the eyes
Concentration of 200 ppm causes irritation of eyes

Respiratory or skin sensitization

Product: No data available.

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Ethylbenzene Overall evaluation: 2B. Possibly carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ cell mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific target organ toxicity - single exposure

Product: No data available.

Specific target organ toxicity - repeated exposure

Product: No data available.

Aspiration hazard

Product: No data available.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Acetone LC 50 (Fathead minnow (Pimephales promelas), 0.5 h): 7,830 - 9,337 mg/l
Mortality LC 50 (Fathead minnow (Pimephales promelas), 2 h): 7,081 - 9,120 mg/l
Mortality LC 50 (Zebra danio (Danio rerio), 2 h): > 100 mg/l
Mortality LC 50 (Zebra danio (Danio rerio), 2 h): > 100 mg/l
Mortality LC 50 (Fathead minnow (Pimephales promelas), 4 h): 9,821 - 11,014 mg/l
Mortality

Toluene LC 50 (Rainbow trout,donaldson trout (Oncorhynchus mykiss), 24 h): 6.26 -

8.4 mg/l Mortality LC 50 (Pink salmon (*Oncorhynchus gorbusha*), 24 h):
6.97 - 8.62 mg/l Mortality LC 50 (Pink salmon (*Oncorhynchus gorbusha*),
24 h): 7.45 - 8.75 mg/l Mortality LC 50 (Medaka, high-eyes (*Oryzias latipes*),
24 h): 80 mg/l Mortality LC 50 (Zebra danio (*Danio rerio*), 24 h): > 100 mg/l
Mortality

n-Butyl acetate LC 50 (Bluegill (*Lepomis macrochirus*), 96 h): 100 mg/l Mortality

Methanol LC 50 (Bluegill (*Lepomis macrochirus*), 24 h): 17,400 - 21,000 mg/l Mortality
LC 50 (Rainbow trout, donaldson trout (*Oncorhynchus mykiss*), 24 h): 19,800
- 20,700 mg/l Mortality LC 50 (Fathead minnow (*Pimephales promelas*), 24
h): 29,000 - 30,500 mg/l Mortality LC 50 (Medaka, high-eyes (*Oryzias*
latipes), 24 h): > 10,000 mg/l Mortality LC 50 (Medaka, high-eyes (*Oryzias*
latipes), 48 h): 1,400 mg/l Mortality

Aquatic invertebrates

Product: No data available.

Specified substance(s):

Acetone EC 50 (Water flea (*Daphnia magna*), 2 h): > 100 mg/l Intoxication EC 50
(Water flea (*Daphnia magna*), 4 h): > 100 mg/l Intoxication EC 50 (Water
flea (*Daphnia magna*), 6 h): > 100 mg/l Intoxication EC 50 (Water flea
(*Daphnia magna*), 24 h): 21.3 - 35.5 mg/l Intoxication EC 50 (Water flea
(*Daphnia magna*), 24 h): > 100 mg/l Intoxication

Toluene LC 50 (Water flea (*Daphnia magna*), 24 h): 240 - 420 mg/l Mortality LC 50
(Brine shrimp (*Artemia salina*), 24 h): 33 mg/l Mortality LC 50 (Water flea
(*Daphnia magna*), 24 h): 470 mg/l Mortality LC 50 (Brine shrimp (*Artemia*
sp.), 24 h): 42.8 - 63.8 mg/l Mortality LC 50 (Rotifer (*Brachionus plicatilis*),
24 h): 519.5 - 585.7 mg/l Mortality

Methanol EC 50 (Water flea (*Daphnia obtusa*), 24 h): 22,800 - 24,400 mg/l Intoxication
EC 50 (Water flea (*Daphnia magna*), 24 h): > 10,000 mg/l Intoxication EC 50
(Water flea (*Daphnia obtusa*), 48 h): 21,100 - 23,400 mg/l Intoxication EC 50
(Water flea (*Daphnia magna*), 48 h): 20,450 - 29,350 mg/l Intoxication EC 50
(Water flea (*Daphnia magna*), 48 h): > 10,000 mg/l Intoxication

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product:	No data available.
Persistence and degradability	
Biodegradation	
Product:	No data available.
BOD/COD ratio	
Product:	No data available.
Bioaccumulative potential	
Bioconcentration factor (BCF)	
Product:	No data available.
Specified substance(s):	
Toluene	Green algae (Chlorella fusca), Bioconcentration factor (BCF): 380 (Not reported) Green algae (Selenastrum capricornutum), Bioconcentration factor (BCF): 3,016 (Static) Green algae (Chlorella fusca vacuolata), Bioconcentration factor (BCF): 380 (Static) Shore crab (Hemigrapsus nudus), Bioconcentration factor (BCF): 31 (Flow through) Ide, silver or golden orfe (Leuciscus idus), Bioconcentration factor (BCF): 94 (Not reported)
Methanol	Green algae (Chlorella fusca vacuolata), Bioconcentration factor (BCF): 28,400 (Static)
Partition coefficient n-octanol / water (log Kow)	
Product:	No data available.
Specified substance(s):	
Acetone	Log Kow: -0.24
Toluene	Log Kow: 2.73
Xylene	Log Kow: 3.12 - 3.20
n-Butyl acetate	Log Kow: 1.78
Methanol	Log Kow: -0.77
Ethylbenzene	Log Kow: 3.15
Mobility in soil:	No data available.
Known or predicted distribution to environmental compartments	

Acetone	No data available.
Toluene	No data available.
Xylene	No data available.
n-Butyl acetate	No data available.
Methanol	No data available.
Ethylbenzene	No data available.

13. Disposal considerations

Disposal instructions:	No data available.
Contaminated packaging:	No data available.

14. Transport information

DOT

UN number:	UN 1993
UN proper shipping name:	Flammable liquids, n.o.s.(Acetone, Toluene)
Transport hazard class(es)	
Class:	3
Label(s):	3
Packing group:	II
Marine Pollutant:	Not regulated.
Special precautions for user:	–

15. Regulatory information

US federal regulations US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Acetone	Reportable quantity: 5000 lbs.
Toluene	Reportable quantity: 1000 lbs.
Xylene	Reportable quantity: 100 lbs.
n-Butyl acetate	Reportable quantity: 5000 lbs.
Methanol	Reportable quantity: 5000 lbs.
Ethylbenzene	Reportable quantity: 1000 lbs.

Superfund amendments and reauthorization act of 1986 (SARA)

Hazard categories

Not listed.

SARA 302 Extremely hazardous substance

None present or none present in regulated quantities.

SARA 304 Emergency release notification

Chemical identity	RQ
Acetone	5000 lbs.
Toluene	1000 lbs.
Xylene	100 lbs.
n-Butyl acetate	5000 lbs.
Methanol	5000 lbs.
Ethylbenzene	1000 lbs.

SARA 311/312 Hazardous chemical

Chemical identity	Threshold Planning Quantity
Acetone	500 lbs
Toluene	500 lbs
Xylene	500 lbs
n-Butyl acetate	500 lbs
Methanol	500 lbs
Ethylbenzene	500 lbs

SARA 313 (TRI reporting)

Chemical identity	Reporting threshold for other users	Reporting threshold for manufacturing and processing
Toluene	10000 lbs	25000 lbs.
Xylene	10000 lbs	25000 lbs.
Methanol	10000 lbs	25000 lbs.
Ethylbenzene	10000 lbs	25000 lbs.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

Toluene	Reportable quantity: 1000 lbs.
Xylene	Reportable quantity: 100 lbs.
n-Butyl acetate	Reportable quantity: 5000 lbs.
Ethylbenzene	Reportable quantity: 1000 lbs.

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

None present or none present in regulated quantities.

US state regulations

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Toluene	Developmental toxin.
Toluene	Female reproductive toxin.
Methanol	Developmental toxin.

Ethylbenzene	Carcinogenic.
US. New Jersey Worker and Community Right-to-Know Act	
Acetone	Listed
Toluene	Listed
Xylene	Listed
n-Butyl acetate	Listed
Methanol	Listed
Ethylbenzene	Listed
US. Massachusetts RTK - Substance List	
Acetone	Listed
Toluene	Listed
Xylene	Listed
n-Butyl acetate	Listed
Methanol	Listed
Ethylbenzene	Listed
US. Pennsylvania RTK - Hazardous Substances	
Acetone	Listed
Toluene	Listed
Xylene	Listed
n-Butyl acetate	Listed
Methanol	Listed
Ethylbenzene	Listed
US. Rhode Island RTK	
Acetone	Listed
Toluene	Listed
Xylene	Listed
n-Butyl acetate	Listed
Methanol	Listed
Ethylbenzene	Listed

Inventory Status: Australia AICS:	Not in compliance with the inventory.
Canada DSL Inventory List:	Not in compliance with the inventory.
EU EINECS List:	Not in compliance with the inventory.
EU ELINCS List:	Not in compliance with the inventory.
Japan (ENCS) List:	Not in compliance with the inventory.
EU No Longer Polymers List:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	Not in compliance with the inventory.
Canada NDSL Inventory:	Not in compliance with the inventory.
Philippines PICCS:	Not in compliance with the inventory.
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	Not in compliance with the inventory.
Japan ISHL Listing:	Not in compliance with the inventory.
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.

16. Other information, including date of preparation or last revision

HMIS Hazard ID

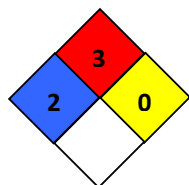
Health	*	2
Flammability	3	
Physical hazards		
PERSONAL PROTECTION		K

K - Hood, Gloves, Protective Suit & Boots

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect

Further information: Classification not possible. Consult the Supplier in Section 1 of the SDS for additional data.

NFPA Hazard ID



	Flammability
	Health
	Reactivity
	Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Issue date:	05/26/2015
Revision date:	No data available.
Version #:	1.0
Further information:	No data available.

Version: 1.0
Revision date: 05/26/2015

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