



SAFETY DATA SHEET

1. Identification

Product Name: K2 SuperBrew
Product Code: B11767
SDS Date: 7/21/2015
Use: Industrial

Chemisphere Corporation
2101 Clifton Ave
St. Louis, MO 63139

General Information: 314-644-1300
CHEMTREC: 800-424-9300

2. Hazard(s) identification

GHS Classification

Flammable liquids (Category 3)
Acute toxicity, Dermal (Category 4)
Acute toxicity, Inhalation (Category 4)
Skin irritation (Category 2)
Serious eye damage (Category 1)
Specific target organ toxicity - single exposure (Category 3), Central nervous system
Specific target organ toxicity - single exposure (Category 3), Respiratory system
Specific target organ toxicity (repeated exposure) Category 1
Specific target organ toxicity (repeated exposure) Category 2
Specific target organ toxicity (single exposure) Category 1
Specific target organ toxicity (single exposure) Category 2
Carcinogenicity (Category 2)
Aspiration hazard (Category 1)
Reproductive toxicity (Category 1B)

Pictogram



Signalword Danger

Hazard Statement

Flammable liquid and vapor
Harmful in contact with skin.
Harmful if inhaled.
Causes skin irritation.
Causes serious eye damage.
May cause respiratory irritation
May cause drowsiness or dizziness
Causes damage to organs through prolonged or repeated exposure



May cause damage to organs through prolonged or repeated exposure
 Causes damage to organs
 May cause damage to organs
 Suspected of causing cancer
 May be fatal if swallowed and enters airways
 May damage fertility or the unborn child

Precautionary

Call a poison center/doctor if you feel unwell. Do not breathe mist/vapors/spray. Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood. Ground/bond container and receiving equipment. If exposed or concerned: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If inhaled: Remove person to fresh air and keep comfortable for breathing. If on skin (or hair): Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water shower. If on skin: wash with plenty of water. If skin irritation occurs: Get medical advice/attention. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish. Keep away from heat/sparks/open flames/hot surfaces-no smoking. Keep container tightly closed. Obtain special instructions before use. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Take precautionary measure against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Dispose of contents/ container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified: Not available

3. Composition/information on ingredients

Name	CAS	Concentration
Dimethyl Glutarate	1119-40-0	1-20
Dimethyl Succinate	106-65-0	1-20
Dimethyl Adipate	627-93-0	1-20
Diethylene Glycol Monobutyl Ether Acetate	124-17-4	1-20
2-Ethoxyethyl Acetate	111-15-9	1-20
Solvent naphtha (petroleum), heavy arom.	64742-94-5	1-20
1,2,4-trimethylbenzene	95-63-6	1-10
Dibutyl Phthalate	84-74-2	1-20
bis(2-Ethylhexyl) phthalate	117-81-7	1-20
Isobutyl Alcohol	78-83-1	1-20
2-Methoxypropyl Acetate	108-65-6	1-20
Ethylbenzene	100-41-4	1-20
Methyl Propyl Ketone	107-87-9	1-20



Methyl isobutyl ketone	108-10-1	1-20
2-Butoxyethanol	111-76-2	1-20
n-Butyl acetate	123-86-4	1-20
Xylene	1330-20-7	1-25
Isopropyl Alcohol	67-63-0	1-20
Ethyl 3-ethoxypropionate	763-69-9	1-20
Naphthalene	91-20-3	1-10

4. First-aid measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If Inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In Case of Skin Contact	Wash off with soap and plenty of water. Consult a physician.
In Case of Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If Swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indications of any immediate medical attention and special treatment needed

No data available

5. Fire-fighting measures

Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Hazards	Carbon oxides
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further Information	Use water spray to cool unopened containers.

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
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Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

**7. Handling and storage**

Safe Handling Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Safe Storage Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure controls/personal protection

Name	CAS		
Dimethyl Glutarate	1119-40-0		
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
Not Available	Not Available	Not Available	Not Available
Dimethyl Succinate	106-65-0		
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
Not Available	Not Available	Not Available	Not Available
Dimethyl Adipate	627-93-0		
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
Not Available	Not Available	Not Available	Not Available
Diethylene Glycol Monobutyl Ether Acetate	124-17-4		
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
Not Available	Not Available	Not Available	Not Available
2-Ethoxyethyl Acetate	111-15-9		
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
100 ppm	Not Available	5 ppm	Not Available
Solvent naphtha (petroleum), heavy arom.	64742-94-5		
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
Not Available	Not Available	Not Available	Not Available
1,2,4-trimethylbenzene	95-63-6		
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
Not Available	Not Available	Not Available	Not Available
Dibutyl Phthalate	84-74-2		
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
5 mg/m3	Not Available	5 mg/m3	Not Available



bis(2-Ethylhexyl) phthalate		117-81-7	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
5 mg/m3	10 mg/m3	5 mg/m3	Not Available
Isobutyl Alcohol		78-83-1	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
100 ppm	Not Available	50 ppm	Not Available
2-Methoxypropyl Acetate		108-65-6	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
Not Available	Not Available	Not Available	Not Available
Ethylbenzene		100-41-4	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
100 ppm	Not Available	20 ppm	125 ppm
Methyl Propyl Ketone		107-87-9	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
200 ppm	Not Available	Not Available	150 ppm
Methyl isobutyl ketone		108-10-1	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
50 ppm	75 ppm	20 ppm	75 ppm
2-Butoxyethanol		111-76-2	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
50 ppm	Not Available	20 ppm	Not Available
n-Butyl acetate		123-86-4	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
150 ppm	Not Available	150 ppm	200 ppm
Xylene		1330-20-7	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
100 ppm	150 ppm	100 ppm	150 ppm
Isopropyl Alcohol		67-63-0	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
400 ppm	Not Available	200 ppm	400 ppm



Ethyl 3-ethoxypropionate		763-69-9	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
Not Available	Not Available	Not Available	Not Available
Naphthalene		91-20-3	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
10 ppm	15 ppm	10 ppm	Not Available

Engineering Control

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Eye/Face Protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection

Handle with fluorinated rubber gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of Environmental Exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**9. Physical and chemical properties**

Appearance	Xylene	Liquid
Odor	Xylene	No data available
Odor Threshold	Xylene	No data available
pH	Xylene	No data available
Melting/Freezing Point	Xylene	No data available
Initial Boiling Point/Range	Xylene	137 - 140 °C (279 - 284 °F) - lit.
Flash Point	Xylene	25 °C (77 °F) - closed cup
Evaporation Rate	Xylene	No data available
Flammability	Xylene	No data available
Upper Explosion Limit	Xylene	No data available
Lower Explosion Limit	Xylene	No data available
Vapor Pressure	Xylene	24 hPa (18 mmHg) at 37.7 °C (99.9 °F)
Vapor Density	Xylene	No data available
Relative Density	Xylene	0.86 g/mL at 25 °C (77 °F)
Water Solubility	Xylene	No data available
Partition Coefficient	Xylene	No data available
Auto Ignition Temperature	Xylene	No data available
Decomposition Temperature	Xylene	No data available
Viscosity	Xylene	No data available



10. Stability and reactivity

Reactivity No data available

Chemical Stability Stable under recommended storage conditions.

Possibility of Hazardous Reactions No data available

Conditions to Avoid Heat, flames and sparks.

Incompatible materials Strong oxidizing agents

Hazardous Decomposition Products No data available

11. Toxicological information

Name	CAS
Dimethyl Glutarate	1119-40-0
Oral: no data available	
Inhalation: no data available	
Dermal: no data available	
Skin corrosion/irritation no data available	
Serious eye damage/eye irritation no data available	
Respiratory or skin sensitization no data available	
Germ cell mutagenicity no data available	
Carcinogenicity Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA	
Reproductive no data available	
Additional information no data available	



Name	CAS
Dimethyl Succinate	106-65-0
LD50 Oral - Rat - female - 6,892 mg/kg	
LD50 Inhalation - Rat - male and female - > 2,000 mg/l	
LD50 Dermal - Rabbit - > 5,000 mg/kg	
Skin corrosion/irritation Result: No skin irritation	
Serious eye damage/eye irritation Result: Mild eye irritation	
Respiratory or skin sensitization Result: Did not cause sensitisation on laboratory animals.	
Germ cell mutagenicity Result: negative	
Carcinogenicity Not identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, or OSHA	
Reproductive No data available	
Additional information No data available	

Name	CAS
Dimethyl Adipate	627-93-0
LD50 Oral - Rat - male and female - > 5,000 mg/kg	
Inhalation: No data available	
LD50 Dermal - Rabbit - male and female - > 1,000 mg/kg	
Skin corrosion/irritation Result: No skin irritation - 4 h	
Serious eye damage/eye irritation Result: No eye irritation	
Respiratory or skin sensitization No data available	
Germ cell mutagenicity Result: negative	
Carcinogenicity Not identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, or OSHA	
Reproductive Rat: Effects on Fertility: Post-implantation mortality, Specific Developmental Abnormalities: Musculoskeletal system.	
Additional information No data available	



Name	CAS
Diethylene Glycol Monobutyl Ether Acetate	124-17-4
LD50 Oral - Rat - 6,500 mg/kg	
LC50 Inhalation - Rat - 4 h - 72,500 mg/m3	
LD50 Dermal - Rabbit - 14,500 mg/kg	
Skin corrosion/irritation Result: Mild skin irritation	
Serious eye damage/eye irritation Result: Mild eye irritation	
Respiratory or skin sensitization No data available	
Germ cell mutagenicity No data available	
Carcinogenicity Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA	
Reproductive No data available	
Additional information No data available	

Name	CAS
2-Ethoxyethyl Acetate	111-15-9
LD50 Oral - Rat - 2,700 mg/kg	
LC50 Inhalation - Rat - 8 h - 12,100 mg/m3	
LD50 Dermal: No data available	
Skin corrosion/irritation Result: Open irritation test	
Serious eye damage/eye irritation No data available	
Respiratory or skin sensitization No data available	
Germ cell mutagenicity No data available	
Carcinogenicity Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA	
Reproductive May cause congenital malformation in the fetus. Presumed human reproductive toxicant May cause reproductive disorders.	
Additional information No data available	



Name	CAS
Solvent naphtha (petroleum), heavy arom.	64742-94-5
LD50 oral rat >2000 mg/kg	
LC50 inhalation rat >5000 mg/m ³	
LD50 dermal rat >5000 mg/kg	
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	Not Available
Reproductive	No data available
Additional information	No data available

Name	CAS
1,2,4-trimethylbenzene	95-63-6
LD50 Oral - Rat - male - 6,000 mg/kg	
Inhalation: No data available	
Dermal: No data available	
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Result: negative
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA
Reproductive	No data available
Additional information	prolonged or repeated exposure can cause:, narcosis, Bronchitis., Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.



Name	CAS
Dibutyl Phthalate	84-74-2
LD50 Oral - rat - 8,000 mg/kg	
LC50 Inhalation - rat - 4,250 mg/m3	
LD50 Dermal - rabbit - > 20,860 mg/kg	
Skin corrosion/irritation	no data available
Serious eye damage/eye irritation	no data available
Respiratory or skin sensitization	no data available
Germ cell mutagenicity	no data available
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA
Reproductive	Presumed human reproductive toxicant Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.
Additional information	Nausea, Dizziness, Headache,

Name	CAS
bis(2-Ethylhexyl) phthalate	117-81-7
LD50 Oral - rat - 30,000 mg/kg	
Inhalation: no data available	
LD50 Dermal - rabbit - 25,000 mg/kg	
Skin corrosion/irritation	Result: Mild skin irritation - 24 h
Serious eye damage/eye irritation	Result: Mild eye irritation - 24 h
Respiratory or skin sensitization	Result: Does not cause skin sensitisation.
Germ cell mutagenicity	No data available
Carcinogenicity	IARC: 2B - Group 2B: Possibly carcinogenic to humans (bis(2-Ethylhexyl) phthalate) NTP: Reasonably anticipated to be a human carcinogen (bis(2-Ethylhexyl) phthalate)
Reproductive	May cause congenital malformation in the fetus. Presumed human reproductive toxicant May cause reproductive disorders.
Additional information	Effects due to ingestion may include:, Gastrointestinal disturbance Kidney -



Name	CAS
Isobutyl Alcohol	78-83-1
LD50 Oral - Rat - 2,460 mg/kg	
LD50 Oral - Rat - 2,500 - 6,400 mg/kg	
LC50 Inhalation - Rat - 4 h - 8000 ppm	
LD50 Dermal - Rabbit - 3,400 mg/kg	
LD50 Dermal - Rabbit - 4,240 mg/kg	
Skin corrosion/irritation	Result: Mild skin irritation
Serious eye damage/eye irritation	Remarks: Moderate eye irritation
Respiratory or skin sensitization	Dermatitis
Germ cell mutagenicity	No data available
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA
Reproductive	No data available
Additional information	Cough, Shortness of breath, Headache, Nausea, Vomiting, Central nervous system depression,

Name	CAS
2-Methoxypropyl Acetate	108-65-6
LD50 Oral - Rat - female - 8,532 mg/kg	
Inhalation: No data available	
LD50 Dermal - Rat - male and female - > 2,000 mg/kg	
Skin corrosion/irritation	Result: No skin irritation
Serious eye damage/eye irritation	Result: No eye irritation
Respiratory or skin sensitization	Did not cause sensitization on laboratory animals.
Germ cell mutagenicity	Result: negative
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA
Reproductive	No data available
Additional information	Stomach - Irregularities - Based on Human Evidence



Name	CAS
Ethylbenzene	100-41-4
LD50 Oral - Rat - male and female - 3,500 mg/kg	
Inhalation: No data available	
LD50 Dermal - Rabbit - 15,433 mg/kg	
Skin corrosion/irritation Result: Mild eye irritation	
Serious eye damage/eye irritation Result: Mild eye irritation	
Respiratory or skin sensitization No data available	
Germ cell mutagenicity Result: negative	
Carcinogenicity IARC: 2B - Group 2B: Possibly carcinogenic to humans (Ethylbenzene)	
Reproductive No data available	
Additional information May be fatal if swallowed and enters airways. Central nervous system depression, Nausea, Headache, Vomiting, Ataxia., Tremors	

Name	CAS
Methyl Propyl Ketone	107-87-9
LD50 Oral - Rat - 1,600 mg/kg	
Inhalation: No data available	
LD50 Dermal - Rabbit - 6,500 mg/kg	
Skin corrosion/irritation Result: Open irritation test	
Serious eye damage/eye irritation No data available	
Respiratory or skin sensitization No data available	
Germ cell mutagenicity No data available	
Carcinogenicity Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA	
Reproductive No data available	
Additional information Lowered blood pressure, Central nervous system depression, narcosis, Nausea, Dizziness, Headache, Exposure to and/or consumption of alcohol may increase toxic effects.	



Name	CAS
Methyl isobutyl ketone	108-10-1
LD50 Oral - Rat - 2,080 mg/kg	
LC50 Inhalation - Rat - 4 h - 8.2 - 16.4 mg/m ³	
LD50 Dermal - Rabbit - > 16,000 mg/kg	
Skin corrosion/irritation	Result: Mild skin irritation - 24 h
Serious eye damage/eye irritation	Result: Moderate eye irritation - 24 h
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	IARC: 2B - Group 2B: Possibly carcinogenic to humans (4-Methylpentan-2-one)
Reproductive	Developmental Toxicity - Mouse - Inhalation Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus). Effects on Embryo or Fetus: Fetal death.
Additional information	Blurred vision, Dermatitis,

Name	CAS
2-Butoxyethanol	111-76-2
LD50 Oral - Rat - 470 mg/kg	
LC50 Inhalation - Rat - 4 h - 450 ppm	
LD50 Intraperitoneal - Rat - 220 mg/kg, LD50 Intravenous - Rat - 307 mg/kg	
Skin corrosion/irritation	Result: Open irritation test
Serious eye damage/eye irritation	Result: Moderate eye irritation - 24 h
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-Butoxyethanol)
Reproductive	Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.
Additional information	Human exposure above 200 ppm can be expected to cause narcosis, damage to the kidney and liver and present an abnormal blood picture showing erythropenia, reticulocytosis, granulocytosis, leukocytosis, and would be likely to cause fragility of erythrocytes and hematuria. Swallowing of 2-butoxyethanol results in a sour taste that turns to a burning sensation and is followed by numbness of the tongue which indicates paralysis of the sensory nerve endings., Central nervous system depression, Headache, narcosis



Name	CAS
n-Butyl acetate	123-86-4
LD50 Oral - Rat - 10,700 - 14,130 mg/kg	
LC50 Inhalation - Rat - 4 h - > 21.0 mg/l	
LD50 Dermal - Rabbit - 17,600 mg/kg	
Skin corrosion/irritation Result: No skin irritation - 4 h	
Serious eye damage/eye irritation Result: No eye irritation	
Respiratory or skin sensitization No data available	
Germ cell mutagenicity No data available	
Carcinogenicity Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA	
Reproductive No data available	
Additional information Drowsiness, Stomach - Irregularities	

Name	CAS
Xylene	1330-20-7
Oral: No data available	
Inhalation: No data available	
Dermal: No data available	
Skin corrosion/irritation No data available	
Serious eye damage/eye irritation No data available	
Respiratory or skin sensitization No data available	
Germ cell mutagenicity No data available	
Carcinogenicity IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Xylene)	
Reproductive No data available	
Additional information No data available	



Name	CAS
Isopropyl Alcohol	67-63-0
LD50 Oral - Rat - 5,045 mg/kg	
LC50 Inhalation - Rat - 8 h - 16000 ppm	
LD50 Dermal - Rabbit - 12,800 mg/kg	
Skin corrosion/irritation	Result: Mild skin irritation
Serious eye damage/eye irritation	Result: Eye irritation - 24 h
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-Propanol)
Reproductive	No data available
Additional information	Central nervous system depression, prolonged or repeated exposure can cause:, Nausea, Headache, Vomiting, narcosis, Drowsiness, Overexposure may cause mild, reversible liver effects., Aspiration may lead to:, Lung oedema, Pneumonia

Name	CAS
Ethyl 3-ethoxypropionate	763-69-9
LD50 Oral - Rat - male - > 5,000 mg/kg, LD50 Oral - Rat - female - 4,309 mg/kg	
LC50 Inhalation - Rat - male - 6 h - > 998 ppm	
LD50 Dermal - Rabbit - male - 4,080 mg/kg, LD50 Dermal - Rabbit - female - 4,680 mg/kg	
Skin corrosion/irritation	Result: No skin irritation - 4 h
Serious eye damage/eye irritation	Result: No eye irritation - 24 h
Respiratory or skin sensitization	Result: Does not cause skin sensitisation.
Germ cell mutagenicity	Result: negative
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA
Reproductive	No data available
Additional information	Nausea, Headache, Vomiting, Central nervous system depression, Dizziness



Name	CAS
Naphthalene	91-20-3
LD50 Oral - Rat - 490.0 mg/kg	
LC50 Inhalation - Rat - 1 h - > 340 mg/m3	
LD50 Dermal - Rabbit - 20,000 mg/kg	
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	Result: Mild eye irritation
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	IARC: 2B - Group 2B: Possibly carcinogenic to humans (Naphthalene), NTP: Reasonably anticipated to be a human carcinogen (Naphthalene),
Reproductive	No data available
Additional information	Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer., Naphthalene is retinotoxic and systemic absorption of its vapors above 15ppm, may result in:, cataracts, optic neuritis, corneal injury, Eye irritation, Ingestion may provoke the following symptoms:, hemolytic anemia, hemoglobinuria, Nausea, Headache, Vomiting, Gastrointestinal disturbance, Convulsions, anemia, Kidney injury may occur., Seizures., Coma.

12. Ecological information

Name	CAS	Toxicity
Dimethyl Glutarate	1119-40-0	no data available
Dimethyl Succinate	106-65-0	semi-static test LC50 - Danio rerio (zebra fish) - 50 - 100 mg/l - 96 h static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h Toxicity to algae static test EC50 - Pseudokirchneriella subcapitata - > 100 mg/l - 72 h Toxicity to bacteria Growth inhibition EC50 - Sludge Treatment - > 1,000 mg/l - 3 h
Dimethyl Adipate	627-93-0	static test EC50 - Daphnia magna (Water flea) - 72 mg/l - 48 h Toxicity to algae static test - Pseudokirchneriella subcapitata - > 100 mg/l - 72 h



Diethylene Glycol Monobutyl	124-17-4	LC50 - Pimephales promelas (fathead minnow) - 77 mg/l - 96 h EC50 - Daphnia magna (Water flea) - 665 mg/l - 48 h
2-Ethoxyethyl Acetate	111-15-9	No Data Available
Solvent naphtha (petroleum),	64742-94-5	No Data Available
1,2,4-trimethylbenzene	95-63-6	flow-through test LC50 - Pimephales promelas (fathead minnow) - 7.72 mg/l - 96.0 h static test EC50 - Daphnia magna (Water flea) - 3.6 mg/l - 48 h
Dibutyl Phthalate	84-74-2	LC50 - Pimephales promelas (fathead minnow) - 0.85 mg/l - 96.0 h NOEC - Pimephales promelas (fathead minnow) - 0.32 mg/l - 96.0 h LC50 - Daphnia magna (Water flea) - 3.7 mg/l - 48 h
bis(2-Ethylhexyl) phthalate	117-81-7	LC50 - Pimephales promelas (fathead minnow) - > 0.67 mg/l - 96 h LC50 - Oncorhynchus mykiss (rainbow trout) - > 0.32 mg/l - 96 h LC50 - Cyprinodon variegatus (sheepshead minnow) - > 0.17 mg/l - 96 h LC50 - Lepomis macrochirus (Bluegill) - > 0.20 mg/l - 96 h NOEC - other fish - > 0.3 mg/l - 96 h
Isobutyl Alcohol	78-83-1	LC50 - Pimephales promelas (fathead minnow) - 1.220 mg/l - 96 h
2-Methoxypropyl Acetate	108-65-6	mortality LC50 - Salmo gairdneri - 100 - 180 mg/l - 96 h static test EC50 - Daphnia magna (Water flea) - > 500 mg/l - 48 h
Ethylbenzene	100-41-4	flow-through test LC50 - Menidia menidia (Atlantic silverside) - 5.1 mg/l - 96 h, static test EC50 - Daphnia magna (Water flea) - 1.8 - 2.4 mg/l - 48 h, static test EC50 - Skeletonema costatum - 4.9 mg/l - 72 h



Methyl Propyl Ketone	107-87-9	LC50 - Pimephales promelas (fathead minnow) - 1,240 mg/l - 96 h
Methyl isobutyl ketone	108-10-1	LC0 - Leuciscus idus melanotus - 480 mg/l - 48 h, EC50 - Daphnia magna (Water flea) - 1,550 - 3,623 mg/l - 24 h, EC50 - Desmodesmus subspicatus (green algae) - 980 - 2,000 mg/l - 48 h
2-Butoxyethanol	111-76-2	LC50 - other fish - 220 mg/l - 96 h, EC50 - Daphnia magna (Water flea) - 1,815 mg/l - 24 h
n-Butyl acetate	123-86-4	Toxicity to fish LC50 - Lepomis macrochirus (Bluegill) - 100 mg/l - 96 h, Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 72.8 - 205.0 mg/l - 24 h, EC50 - Daphnia (water flea) - 44 mg/l - 48 h, Toxicity to algae EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus) - 674.7 mg/l - 72 h
Xylene	1330-20-7	No data available
Isopropyl Alcohol	67-63-0	LC50 - Pimephales promelas (fathead minnow) - 9,640.00 mg/l - 96 h, EC50 - Daphnia magna (Water flea) - 5,102.00 mg/l - 24 h, Immobilization EC50 - Daphnia magna (Water flea) - 6,851 mg/l - 24 h, Toxicity to algae EC50 - Desmodesmus subspicatus (green algae) - > 2,000.00 mg/l - 72 h, EC50 - Algae - > 1,000.00 mg/l - 24 h
Ethyl 3-ethoxypropionate	763-69-9	static test LC50 - Pimephales promelas (fathead minnow) - 55.3 mg/l - 96 h, static test LC50 - Pimephales promelas (fathead minnow) - 45.3 mg/l - 96 h, Immobilization EC50 - Daphnia magna (Water flea) - > 479.7 mg/l - 48 h, Immobilization EC50 - Daphnia magna (Water flea) - 785 mg/l - 48 h, Growth inhibition EC50 - Selenastrum capricornutum (green algae) - > 114.86 mg/l - 72 h, Growth inhibition IC50 - other microorganisms - > 5,000 mg/l - 16 h



Naphthalene	91-20-3	LC50 - Oncorhynchus mykiss (rainbow trout) - 0.9 - 9.8 mg/l - 96.0 h, LC50 - Pimephales promelas (fathead minnow) - 1 - 6.5 mg/l - 96.0 h, NOEC - other fish - 1.8 mg/l - 3.0 d, LOEC - other fish - 3.2 mg/l - 3.0 d, EC50 - Daphnia magna (Water flea) - 1.00 - 3.40 mg/l - 48 h, EC50 - No information available. - 33.00 mg/l - 24 h
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13. Disposal considerations

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

14. Transport information

Proper Shipping Name	Paint Related Material
Hazard Class	3
Identification Number	UN1263
Packing Group	III
Label	Flammable

15. Regulatory information

Name	CAS
Dimethyl Glutarate	1119-40-0
SARA 302/304	No components were identified
SARA 313	No components were identified
CERCLA	No components were identified
SARA 311/312	Fire Hazard
PROP 65	No components were identified
Name	CAS
Dimethyl Succinate	106-65-0
SARA 302/304	No components were identified
SARA 313	No components were identified
CERCLA	No components were identified
SARA 311/312	Fire Hazard
PROP 65	No components were identified



Name	CAS
Dimethyl Adipate	627-93-0

- SARA 302/304** No components were identified
- SARA 313** No components were identified
- CERCLA** No components were identified
- SARA 311/312** Chronic Health Hazard
- PROP 65** No components were identified

Name	CAS
Diethylene Glycol Monobutyl Ether Acetate	124-17-4

- SARA 302/304** No components were identified
- SARA 313** No components were identified
- CERCLA** No components were identified
- SARA 311/312** No components were identified
- PROP 65** No components were identified

Name	CAS
2-Ethoxyethyl Acetate	111-15-9

- SARA 302/304** No components were identified
- SARA 313** No components were identified
- CERCLA** No components were identified
- SARA 311/312** Fire Hazard, Acute Health Hazard, Chronic Health Hazard
- PROP 65** Developmental hazard

Name	CAS
Solvent naphtha (petroleum), heavy arom.	64742-94-5

- SARA 302/304** No components were identified
- SARA 313** No components were identified
- CERCLA** No components were identified
- SARA 311/312** Fire Hazard, Acute Health Hazard, Chronic Health Hazard
- PROP 65** No components were identified



Name	CAS
1,2,4-trimethylbenzene	95-63-6
SARA 302/304	No components were identified
SARA 313	313
CERCLA	No components were identified
SARA 311/312	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
PROP 65	No components were identified

Name	CAS
Dibutyl Phthalate	84-74-2
SARA 302/304	No components were identified
SARA 313	313
CERCLA	RQ = 10 lbs
SARA 311/312	Chronic Health Hazard
PROP 65	Developmental hazard

Name	CAS
bis(2-Ethylhexyl) phthalate	117-81-7
SARA 302/304	No components were identified
SARA 313	313
CERCLA	RQ = 100 lbs
SARA 311/312	Chronic Health Hazard
PROP 65	Cancer Hazard, Developmental Hazard

Name	CAS
Isobutyl Alcohol	78-83-1
SARA 302/304	No components were identified
SARA 313	No components were identified
CERCLA	RQ = 5,000 lbs
SARA 311/312	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
PROP 65	No components were identified



Name	CAS
2-Methoxypropyl Acetate	108-65-6
SARA 302/304	No components were identified
SARA 313	No components were identified
CERCLA	No components were identified
SARA 311/312	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
PROP 65	No components were identified

Name	CAS
Ethylbenzene	100-41-4
SARA 302/304	No components were identified
SARA 313	313
CERCLA	RQ=1,000 lbs
SARA 311/312	Fire Hazard, Chronic Health Hazard
PROP 65	Cancer hazard

Name	CAS
Methyl Propyl Ketone	107-87-9
SARA 302/304	No components were identified
SARA 313	No components were identified
CERCLA	No components were identified
SARA 311/312	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
PROP 65	No components were identified

Name	CAS
Methyl isobutyl ketone	108-10-1
SARA 302/304	No components were identified
SARA 313	313
CERCLA	RQ=5,000 lbs
SARA 311/312	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
PROP 65	Cancer Hazard



Name	CAS
2-Butoxyethanol	111-76-2
SARA 302/304	No components were identified
SARA 313	No components were identified
CERCLA	No components were identified
SARA 311/312	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
PROP 65	No components were identified

Name	CAS
n-Butyl acetate	123-86-4
SARA 302/304	No components were identified
SARA 313	No components were identified
CERCLA	RQ=5,000 lbs
SARA 311/312	Fire Hazard, Chronic Health Hazard
PROP 65	No components were identified

Name	CAS
Xylene	1330-20-7
SARA 302/304	No components were identified
SARA 313	313
CERCLA	RQ=100 lbs
SARA 311/312	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
PROP 65	No components were identified

Name	CAS
Isopropyl Alcohol	67-63-0
SARA 302/304	No components were identified
SARA 313	No components were identified
CERCLA	No components were identified
SARA 311/312	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
PROP 65	No components were identified



Name	CAS
Ethyl 3-ethoxypropionate	763-69-9
SARA 302/304	No components were identified
SARA 313	No components were identified
CERCLA	No components were identified
SARA 311/312	Fire Hazard
PROP 65	No components were identified

Name	CAS
Naphthalene	91-20-3
SARA 302/304	No components were identified
SARA 313	313
CERCLA	RQ=100 lbs
SARA 311/312	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
PROP 65	Cancer Hazard

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

SDS Date: 7/21/2015

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