

# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>Baking Lacquer, Gloss Black (Aerosol)</b>	
<b>Other means of identification</b>		
<b>Product code</b>	083-046-802	
<b>Recommended use</b>	Paint/coating	
<b>Recommended restrictions</b>	Not available.	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Manufacturer</b>		
<b>Company name</b>	BROWNELLS, INC.	
<b>Address</b>	200 South Front Street Montezuma, Iowa 50171 United States	
<b>Telephone</b>	(641) 623-5401	
<b>Website</b>	www.brownells.com	
<b>E-mail</b>	Not available.	
<b>Emergency phone number</b>	INFOTRAC	Registrant #79335
	24 hour Emergency Number,	Domestic: (800) 457-4280
	24 hour Emergency Number,	Foreign: +1(352) 323-3500

## 2. Hazard(s) identification

<b>Physical hazards</b>	Flammable aerosols	Category 1
<b>Health hazards</b>	Acute toxicity, inhalation	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization, skin	Category 1
	Germ cell mutagenicity	Category 2
	Carcinogenicity	Category 1
	Reproductive toxicity	Category 1
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure	Category 1
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2
<b>OSHA defined hazards</b>	Not available.	
<b>Label elements</b>		



**Signal word** Danger

**Hazard statement** Extremely flammable aerosol. Causes skin irritation. Harmful if inhaled. May cause an allergic skin reaction. Causes serious eye irritation. Causes damage to organs (eyes, respiratory system, nervous system, cardiovascular system) May cause damage to organs (eye, skin, nervous system, kidneys, liver, respiratory system) through prolonged or repeated exposure. May cause respiratory irritation. May cause drowsiness or dizziness. May cause cancer. May damage fertility or the unborn child.

## 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. Do not spray on an open flame or other ignition source. Do not breathe gas. Pressurized container: Do not pierce or burn, even after use. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

### Response

If on skin: Wash with plenty of water. 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. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor. Specific treatment (see this label). If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Eliminate all ignition sources if safe to do so.

### Storage

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

### Disposal

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

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

Not available.

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

Not available.

## Supplemental information

Not available.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
DIMETHYL ETHER		115-10-6	30 - < 40
METHYL ETHYL KETONE		78-93-3	10 - < 20
TOLUENE		108-88-3	5 - < 10
METHYLISOBUTYL KETONE		108-10-1	3 - < 5
PROPANE		74-98-6	3 - < 5
XYLENES (O-, M-, P- ISOMERS)		1330-20-7	3 - < 5
2-BUTOXYETHANOL		111-76-2	1 - < 3
ETHYL BENZENE		100-41-4	1 - < 3
ISOPROPYL ALCOHOL		67-63-0	1 - < 3
M-XYLENE		108-38-3	1 - < 3
N-BUTYL ACETATE		123-86-4	1 - < 3
N-BUTYL ALCOHOL		71-36-3	1 - < 3
NITROCELLULOSE		9004-70-0	1 - < 3
O-XYLENE		95-47-6	1 - < 3
P-XYLENE		106-42-3	1 - < 3
CARBON BLACK		1333-86-4	< 1
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE		108-65-6	< 1

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

## 4. First-aid measures

### Inhalation

Move to fresh air. Call a POISON CENTER or doctor/physician if you feel unwell.

### Skin contact

Remove contaminated clothing. Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice/attention.

### Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

### Ingestion

Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

<b>Most important symptoms/effects, acute and delayed</b>	Irritation of eyes and mucous membranes. Narcosis. Decrease in motor functions. Behavioral changes. Edema. Liver enlargement. Jaundice. Proteinuria. Irritant effects. Prolonged exposure may cause chronic effects.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water. Water spray. Water fog. Foam. Dry powder. 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>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Pressurized container may explode when exposed to heat or flame.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Water runoff can cause environmental damage.
<b>Hazardous combustion products</b>	Not available.
<b>General fire hazards</b>	Extremely flammable aerosol.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Remove all possible sources of ignition in the surrounding area. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. 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.
<b>Methods and materials for containment and cleaning up</b>	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Collect spillage. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.
<b>Environmental precautions</b>	Not available.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not re-use empty containers. Do not breathe gas. Avoid contact with skin. Avoid contact with eyes. Avoid contact during pregnancy/while nursing. Use only in well-ventilated areas. Use personal protective equipment as required. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep out of the reach of children. Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Store in a cool, dry place out of direct sunlight.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### U.S. - OSHA Components

	Type	Value
TOLUENE (CAS 108-88-3)	TWA	200 ppm

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

Components	Type	Value
2-BUTOXYETHANOL (CAS 111-76-2)	PEL	240 mg/m3
CARBON BLACK (CAS 1333-86-4)	PEL	50 ppm 3.5 mg/m3
ETHYL BENZENE (CAS 100-41-4)	PEL	435 mg/m3
ISOPROPYL ALCOHOL (CAS 67-63-0)	PEL	100 ppm 980 mg/m3
METHYL ETHYL KETONE (CAS 78-93-3)	PEL	400 ppm 590 mg/m3
METHYLISOBUTYL KETONE (CAS 108-10-1)	PEL	200 ppm 410 mg/m3
N-BUTYL ACETATE (CAS 123-86-4)	PEL	100 ppm 710 mg/m3
N-BUTYL ALCOHOL (CAS 71-36-3)	PEL	150 ppm 300 mg/m3
PROPANE (CAS 74-98-6)	PEL	100 ppm 1800 mg/m3
XYLENES (O-, M-, P-ISOMERS) (CAS 1330-20-7)	PEL	1000 ppm 435 mg/m3
		100 ppm

**US. OSHA Table Z-2 (29 CFR 1910.1000)**

Components	Type	Value
TOLUENE (CAS 108-88-3)	Ceiling TWA	300 ppm 200 ppm

**ACGIH**

Components	Type	Value
2-BUTOXYETHANOL (CAS 111-76-2)	TWA	20 ppm

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
2-BUTOXYETHANOL (CAS 111-76-2)	TWA	20 ppm	
CARBON BLACK (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
ETHYL BENZENE (CAS 100-41-4)	TWA	20 ppm	
ISOPROPYL ALCOHOL (CAS 67-63-0)	STEL	400 ppm	
METHYL ETHYL KETONE (CAS 78-93-3)	TWA STEL	200 ppm 300 ppm	
METHYLISOBUTYL KETONE (CAS 108-10-1)	TWA STEL	200 ppm 75 ppm	
N-BUTYL ACETATE (CAS 123-86-4)	TWA STEL	20 ppm 200 ppm	

**US. ACGIH Threshold Limit Values  
Components**

Components	Type	Value	Form
N-BUTYL ALCOHOL (CAS 71-36-3)	TWA	150 ppm	
TOLUENE (CAS 108-88-3)	TWA	20 ppm	
XYLENES (O-, M-, P-ISOMERS) (CAS 1330-20-7)	TWA	20 ppm	
	STEL	150 ppm	
	TWA	100 ppm	

**U.S. - NIOSH  
Components**

Components	Type	Value
TOLUENE (CAS 108-88-3)	TWA	100 ppm

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

Components	Type	Value
2-BUTOXYETHANOL (CAS 111-76-2)	TWA	24 mg/m3
		5 ppm
CARBON BLACK (CAS 1333-86-4)	TWA	0.1 mg/m3
ETHYL BENZENE (CAS 100-41-4)	STEL	545 mg/m3
		125 ppm
	TWA	435 mg/m3
		100 ppm
ISOPROPYL ALCOHOL (CAS 67-63-0)	STEL	1225 mg/m3
		500 ppm
	TWA	980 mg/m3
		400 ppm
METHYL ETHYL KETONE (CAS 78-93-3)	STEL	885 mg/m3
		300 ppm
	TWA	590 mg/m3
		200 ppm
METHYLISOBUTYL KETONE (CAS 108-10-1)	STEL	300 mg/m3
		75 ppm
	TWA	205 mg/m3
		50 ppm
N-BUTYL ACETATE (CAS 123-86-4)	STEL	950 mg/m3
		200 ppm
	TWA	710 mg/m3
		150 ppm
N-BUTYL ALCOHOL (CAS 71-36-3)	Ceiling	150 mg/m3
		50 ppm
PROPANE (CAS 74-98-6)	TWA	1800 mg/m3
		1000 ppm
TOLUENE (CAS 108-88-3)	STEL	560 mg/m3
		150 ppm
	TWA	375 mg/m3
		100 ppm

**US. Workplace Environmental Exposure Level (WEEL) Guides  
Components**

Components	Type	Value
DIMETHYL ETHER (CAS 115-10-6)	TWA	1880 mg/m3
		1000 ppm

**US. Workplace Environmental Exposure Level (WEEL) Guides**

Components	Type	Value
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PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE (CAS 108-65-6)	TWA	50 ppm
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**Biological limit values****US. ACGIH. BEIs. Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
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2-BUTOXYETHANOL (CAS 111-76-2)	200 mg/g	Butoxyacetic acid (BAA), with hydrolysis	Creatinine in urine	*
ETHYL BENZENE (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
ISOPROPYL ALCOHOL (CAS 67-63-0)	40 mg/l	Acetone	Urine	*
METHYL ETHYL KETONE (CAS 78-93-3)	2 mg/l	MEK	Urine	*
METHYLISOBUTYL KETONE (CAS 108-10-1)	1 mg/l	Methyl isobutyl ketone	Urine	*
TOLUENE (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
	0.03 mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*
XYLENES (O-, M-, P-ISOMERS) (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*

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

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

2-BUTOXYETHANOL (CAS 111-76-2)	Can be absorbed through the skin.
N-BUTYL ALCOHOL (CAS 71-36-3)	Can be absorbed through the skin.

**US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants**

2-BUTOXYETHANOL (EGBE) (CAS 111-76-2)	Can be absorbed through the skin.
N-BUTYL ALCOHOL; 1-BUTANOL (CAS 71-36-3)	Can be absorbed through the skin.
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE (CAS 108-65-6)	Can be absorbed through the skin.
TOLUENE; TOLUOL (CAS 108-88-3)	Can be absorbed through the skin.

**US. Minnesota Hazardous Substances List (Minn. Rules 5206.0400).**

2-BUTOXYETHANOL (CAS 111-76-2)	Skin designation applies.
N-BUTYL ALCOHOL (CAS 71-36-3)	Skin designation applies.
TOLUENE (CAS 108-88-3)	Skin designation applies.

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

2-BUTOXYETHANOL (CAS 111-76-2)	Can be absorbed through the skin.
N-BUTYL ALCOHOL (CAS 71-36-3)	Can be absorbed through the skin.

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

2-BUTOXYETHANOL (CAS 111-76-2)	Can be absorbed through the skin.
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**Appropriate engineering controls** Provide eyewash station.

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

**Eye/face protection** Chemical goggles are recommended.

**Skin protection**

**Hand protection** Wear protective gloves.

**Other** Wear appropriate chemical resistant clothing.

**Respiratory protection** If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

**Thermal hazards** Not available.

**General hygiene considerations**

When using, do not eat, drink or smoke. Avoid contact with eyes. Avoid contact with skin. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

**9. Physical and chemical properties**

<b>Appearance</b>	Black coating
<b>Physical state</b>	Liquid.
<b>Form</b>	Aerosol.
<b>Color</b>	Gloss Black.
<b>Odor</b>	Paint-like
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Maximum incremental reactivity</b>	2.034 g 03/g
<b>Melting point/freezing point</b>	-122.8 °F (-86 °C)
<b>Initial boiling point and boiling range</b>	> 174.92 °F (> 79.4 °C)
<b>Flash point</b>	-155.2 °F (-104.0 °C) (propellant)
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	1 %
<b>Flammability limit - upper (%)</b>	12.7 %
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	649.4 °F (343 °C)
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Density</b>	6.39 lb/gal
<b>Flammability class</b>	Flammable IB estimated
<b>Heat of combustion (NFPA 30B)</b>	25.8 kJ/g estimated
<b>Percent volatile</b>	90 % w/w
<b>VOC (Weight %)</b>	5.71 lb/gal

**10. Stability and reactivity**

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Stable under normal temperature conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Not available.

**Incompatible materials**

Strong oxidizing agents. Strong acids. Ammonia. Amines. Isocyanates. Caustics. Halogens. Acetaldehyde. Alkaline metals. Alkaline earth metals. Aluminum. Chlorine. Dichlorohydantoin. Ethylene Oxide. Lithium aluminum hydride. Hydrogen peroxide. Nitrates. Nitric acid Nitrogen tetroxide. Perchloric and permonosulfuric acids. Potassium tert-butoxide. Powdered metal salts. Pyridines. Uranium hexafluoride. Sulfur dichloride. Tetranitromethane. Trinitromethane.

**Hazardous decomposition products**

Carbon oxides. Acetic acid. Aldehydes. Explosive peroxides may be formed depending on fire conditions.

**11. Toxicological information****Information on likely routes of exposure**

**Inhalation** May cause irritation to the respiratory system.

**Skin contact** Causes skin irritation.

**Eye contact** Causes serious eye irritation.

**Ingestion** Not available.

**Symptoms related to the physical, chemical and toxicological characteristics**

Narcosis. Edema. Liver enlargement. Jaundice. Proteinuria. Behavioral changes. Decrease in motor functions. Irritant effects.

**Information on toxicological effects****Acute toxicity**

Product	Species	Test Results
Baking Lacquer, Gloss Black (Aerosol)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	5630 mg/kg
<i>Inhalation</i>		
LC50	Mouse	54796.6328 mg/l, 6 Hours estimated
		79.6154 mg/l, 4 Hours estimated
	Rat	138.8381 mg/l, 4 Hours estimated
<i>Oral</i>		
LD50	Mouse	1607 mg/kg
	Rabbit	6.3045 g/kg
	Rat	4411 mg/kg

Components	Species	Test Results
2-BUTOXYETHANOL (CAS 111-76-2)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	400 mg/kg
<i>Inhalation</i>		
LC50	Mouse	700 ppm, 7 Hours
	Rat	450 ppm, 4 Hours
<i>Oral</i>		
LD50	Guinea pig	1.2 g/kg
	Mouse	1.2 g/kg
	Rabbit	0.32 g/kg
	Rat	560 mg/kg
CARBON BLACK (CAS 1333-86-4)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	> 8000 mg/kg



Components	Species	Test Results
DIMETHYL ETHER (CAS 115-10-6)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Mouse	385.94 mg/l, 30 Minutes
	Rat	308.5 mg/l, 4 Hours
ETHYL BENZENE (CAS 100-41-4)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	17800 mg/kg
<i>Oral</i>		
LD50	Rat	3500 mg/kg
ISOPROPYL ALCOHOL (CAS 67-63-0)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	12800 mg/kg
<i>Oral</i>		
LD50	Mouse	3600 mg/kg
	Rabbit	5.03 g/kg
	Rat	4.7 g/kg
METHYL ETHYL KETONE (CAS 78-93-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 8000 mg/kg
<i>Inhalation</i>		
LC50	Mouse	11000 ppm, 45 Minutes 11000 mg/l, 45 Minutes
	Rat	11700 ppm, 4 Hours 11700 mg/l, 4 Hours
<i>Oral</i>		
LD50	Mouse	670 mg/kg
	Rat	2300 - 3500 mg/kg
METHYLISOBUTYL KETONE (CAS 108-10-1)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 16000 mg/kg
<i>Inhalation</i>		
LC50	Rat	8.2 mg/l, 4 Hours
<i>Oral</i>		
LD50	Rat	2080 mg/kg
M-XYLENE (CAS 108-38-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	12100 mg/kg
<i>Inhalation</i>		
LC50	Mouse	5300 mg/l, 6 Hours 5300 ppm, 6 Hours
<i>Oral</i>		
LD50	Mouse	1590 mg/kg

Components	Species	Test Results
	Rat	4300 mg/kg
N-BUTYL ACETATE (CAS 123-86-4)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Wistar rat	160 mg/l, 4 Hours
<i>Oral</i>		
LD50	Rat	14130 mg/kg
		14000 mg/kg
N-BUTYL ALCOHOL (CAS 71-36-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	3400 mg/kg
<i>Inhalation</i>		
LC50	Rat	8000 ppm, 4 Hours
		8000 mg/l, 4 Hours
<i>Oral</i>		
LD50	Rat	790 mg/kg
O-XYLENE (CAS 95-47-6)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 43 g/kg
<i>Inhalation</i>		
LC50	Mouse	4600 ppm, 6 Hours
	Rat	6350 ppm, 4 Hours
<i>Oral</i>		
LD50	Mouse	1590 mg/kg
	Rat	4300 mg/kg
PROPANE (CAS 74-98-6)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Rat	> 1442.847 mg/l, 15 Minutes
P-XYLENE (CAS 106-42-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 43 g/kg
<i>Inhalation</i>		
LC50	Mouse	3900 ppm, 6 Hours
<i>Oral</i>		
LD50	Mouse	1590 mg/kg
	Rat	3523 - 8600 mg/kg
TOLUENE (CAS 108-88-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	12124 mg/kg
<i>Inhalation</i>		
LC50	Mouse	400 mg/l, 24 Hours
<i>Oral</i>		
LD50	Rat	2.6 g/kg

Components	Species	Test Results
XYLENES (O-, M-, P- ISOMERS) (CAS 1330-20-7)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 43 g/kg
<i>Inhalation</i>		
LC50	Mouse	3907 mg/l, 6 Hours
	Rat	6350 mg/l, 4 Hours
<i>Oral</i>		
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.

#### Respiratory or skin sensitization

**Respiratory sensitization** Due to lack of data the classification is not possible.

**Skin sensitization** Due to lack of data the classification is not possible.

**Germ cell mutagenicity** Due to lack of data the classification is not possible.

**Carcinogenicity** Suspected of causing cancer.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

2-BUTOXYETHANOL (CAS 111-76-2)	3 Not classifiable as to carcinogenicity to humans.
CARBON BLACK (CAS 1333-86-4)	2B Possibly carcinogenic to humans.
ETHYL BENZENE (CAS 100-41-4)	2B Possibly carcinogenic to humans.
METHYLISOBUTYL KETONE (CAS 108-10-1)	2B Possibly carcinogenic to humans.
M-XYLENE (CAS 108-38-3)	3 Not classifiable as to carcinogenicity to humans.
O-XYLENE (CAS 95-47-6)	3 Not classifiable as to carcinogenicity to humans.
P-XYLENE (CAS 106-42-3)	3 Not classifiable as to carcinogenicity to humans.
TOLUENE (CAS 108-88-3)	3 Not classifiable as to carcinogenicity to humans.
XYLENES (O-, M-, P- ISOMERS) (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.

**Reproductive toxicity** Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. May damage fertility or the unborn child.

**Specific target organ toxicity - single exposure** Respiratory tract irritation. Narcotic effects. Causes damage to organs ().

**Specific target organ toxicity - repeated exposure** Causes damage to organs () through prolonged or repeated exposure.

**Aspiration hazard** Due to lack of data the classification is not possible.

**Chronic effects** Causes damage to organs through prolonged or repeated exposure.

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life. Harmful to aquatic life with long lasting effects. Components of this product are hazardous to aquatic life. Accumulation in aquatic organisms is expected.

Product	Species		Test Results
Baking Lacquer, Gloss Black (Aerosol)			
Aquatic			
Crustacea	EC50	Daphnia	195 mg/l, 24 hours
			110 mg/l, 48 hours
	LC50	Daphnia	1007 mg/l, 24 hours
			555 mg/l, 48 hours
Fish	LC50	Fish	415 mg/l, 96 hours
			719 mg/l, 48 hours

Product	Species	Test Results
		629 mg/l, 24 hours
		363 mg/l, 96 hours
		108 mg/l, 7 days

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

<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulative potential</b>	Not available.
<b>Mobility in soil</b>	Not available.
<b>Other adverse effects</b>	Not available.

### 13. Disposal considerations

<b>Disposal instructions</b>	Dispose of in accordance with current, applicable local, state, and federal regulations.
<b>Waste from residues / unused products</b>	Not available.
<b>Contaminated packaging</b>	Not available.

### 14. Transport information

#### DOT

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, flammable, n.o.s. (DIMETHYL ETHER, PROPANE)
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Packing group</b>	Not applicable.
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

#### IATA

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, flammable
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	No.
<b>Special precautions for user</b>	Not available.
<b>Other information</b>	
<b>Passenger and cargo aircraft</b>	Forbidden.
<b>Cargo aircraft only</b>	Forbidden.

#### IMDG

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, flammable
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No.
<b>EmS</b>	Not available.
<b>Special precautions for user</b>	Not available.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

DOT



IATA; IMDG



## 15. Regulatory information

**US federal regulations** All components are on the U.S. EPA TSCA Inventory List.

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

Not regulated.

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

2-BUTOXYETHANOL (CAS 111-76-2)	Listed.
DIMETHYL ETHER (CAS 115-10-6)	Listed.
ETHYL BENZENE (CAS 100-41-4)	Listed.
ISOPROPYL ALCOHOL (CAS 67-63-0)	Listed.
METHYL ETHYL KETONE (CAS 78-93-3)	Listed.
METHYLISOBUTYL KETONE (CAS 108-10-1)	Listed.
M-XYLENE (CAS 108-38-3)	Listed.
N-BUTYL ACETATE (CAS 123-86-4)	Listed.
N-BUTYL ALCOHOL (CAS 71-36-3)	Listed.
NITROCELLULOSE (CAS 9004-70-0)	Listed.
O-XYLENE (CAS 95-47-6)	Listed.
PROPANE (CAS 74-98-6)	Listed.
P-XYLENE (CAS 106-42-3)	Listed.
TOLUENE (CAS 108-88-3)	Listed.
XYLENES (O-, M-, P- ISOMERS) (CAS 1330-20-7)	Listed.

### SARA 304 Emergency release notification

Not regulated.

### 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

Not listed.

**SARA 311/312** No

### Hazardous chemical

### SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
TOLUENE	108-88-3	5 - < 10
METHYLISOBUTYL KETONE	108-10-1	3 - < 5
XYLENES (O-, M-, P- ISOMERS)	1330-20-7	3 - < 5

**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
2-BUTOXYETHANOL	111-76-2	1 - < 3
ETHYL BENZENE	100-41-4	1 - < 3
ISOPROPYL ALCOHOL	67-63-0	1 - < 3
M-XYLENE	108-38-3	1 - < 3
N-BUTYL ALCOHOL	71-36-3	1 - < 3
O-XYLENE	95-47-6	1 - < 3
P-XYLENE	106-42-3	1 - < 3

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

ETHYL BENZENE (CAS 100-41-4)  
 METHYLISOBUTYL KETONE (CAS 108-10-1)  
 M-XYLENE (CAS 108-38-3)  
 O-XYLENE (CAS 95-47-6)  
 P-XYLENE (CAS 106-42-3)  
 TOLUENE (CAS 108-88-3)  
 XYLENES (O-, M-, P- ISOMERS) (CAS 1330-20-7)

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

DIMETHYL ETHER (CAS 115-10-6)  
 PROPANE (CAS 74-98-6)

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

**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

METHYL ETHYL KETONE (CAS 78-93-3) 6714  
 METHYLISOBUTYL KETONE (CAS 108-10-1) 6715  
 TOLUENE (CAS 108-88-3) 6594

**Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**

METHYL ETHYL KETONE (CAS 78-93-3) 35 %WV  
 METHYLISOBUTYL KETONE (CAS 108-10-1) 35 %WV  
 TOLUENE (CAS 108-88-3) 35 %WV

**DEA Exempt Chemical Mixtures Code Number**

METHYL ETHYL KETONE (CAS 78-93-3) 6714  
 METHYLISOBUTYL KETONE (CAS 108-10-1) 6715  
 TOLUENE (CAS 108-88-3) 594

**US state regulations**

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

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

Not listed.

**US. Massachusetts RTK - Substance List**

2-BUTOXYETHANOL (CAS 111-76-2)  
 CARBON BLACK (CAS 1333-86-4)  
 DIMETHYL ETHER (CAS 115-10-6)  
 ETHYL BENZENE (CAS 100-41-4)  
 ISOPROPYL ALCOHOL (CAS 67-63-0)  
 METHYL ETHYL KETONE (CAS 78-93-3)  
 METHYLISOBUTYL KETONE (CAS 108-10-1)  
 M-XYLENE (CAS 108-38-3)  
 N-BUTYL ACETATE (CAS 123-86-4)  
 N-BUTYL ALCOHOL (CAS 71-36-3)  
 NITROCELLULOSE (CAS 9004-70-0)  
 O-XYLENE (CAS 95-47-6)  
 PROPANE (CAS 74-98-6)  
 P-XYLENE (CAS 106-42-3)  
 TOLUENE (CAS 108-88-3)  
 XYLENES (O-, M-, P- ISOMERS) (CAS 1330-20-7)

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

2-BUTOXYETHANOL (CAS 111-76-2)  
CARBON BLACK (CAS 1333-86-4)  
DIMETHYL ETHER (CAS 115-10-6)  
ETHYL BENZENE (CAS 100-41-4)  
ISOPROPYL ALCOHOL (CAS 67-63-0)  
METHYL ETHYL KETONE (CAS 78-93-3)  
METHYLISOBUTYL KETONE (CAS 108-10-1)  
M-XYLENE (CAS 108-38-3)  
N-BUTYL ACETATE (CAS 123-86-4)  
N-BUTYL ALCOHOL (CAS 71-36-3)  
NITROCELLULOSE (CAS 9004-70-0)  
O-XYLENE (CAS 95-47-6)  
PROPANE (CAS 74-98-6)  
P-XYLENE (CAS 106-42-3)  
TOLUENE (CAS 108-88-3)  
XYLENES (O-, M-, P- ISOMERS) (CAS 1330-20-7)

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

2-BUTOXYETHANOL (CAS 111-76-2)  
CARBON BLACK (CAS 1333-86-4)  
DIMETHYL ETHER (CAS 115-10-6)  
ETHYL BENZENE (CAS 100-41-4)  
ISOPROPYL ALCOHOL (CAS 67-63-0)  
METHYL ETHYL KETONE (CAS 78-93-3)  
METHYLISOBUTYL KETONE (CAS 108-10-1)  
M-XYLENE (CAS 108-38-3)  
N-BUTYL ACETATE (CAS 123-86-4)  
N-BUTYL ALCOHOL (CAS 71-36-3)  
NITROCELLULOSE (CAS 9004-70-0)  
O-XYLENE (CAS 95-47-6)  
PROPANE (CAS 74-98-6)  
P-XYLENE (CAS 106-42-3)  
TOLUENE (CAS 108-88-3)  
XYLENES (O-, M-, P- ISOMERS) (CAS 1330-20-7)

## **US. Rhode Island RTK**

2-BUTOXYETHANOL (CAS 111-76-2)  
DIMETHYL ETHER (CAS 115-10-6)  
ETHYL BENZENE (CAS 100-41-4)  
ISOPROPYL ALCOHOL (CAS 67-63-0)  
METHYL ETHYL KETONE (CAS 78-93-3)  
METHYLISOBUTYL KETONE (CAS 108-10-1)  
M-XYLENE (CAS 108-38-3)  
N-BUTYL ACETATE (CAS 123-86-4)  
N-BUTYL ALCOHOL (CAS 71-36-3)  
O-XYLENE (CAS 95-47-6)  
PROPANE (CAS 74-98-6)  
P-XYLENE (CAS 106-42-3)  
TOLUENE (CAS 108-88-3)  
XYLENES (O-, M-, P- ISOMERS) (CAS 1330-20-7)

## **US. California Proposition 65**

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

CARBON BLACK (CAS 1333-86-4)	Listed: February 21, 2003
ETHYL BENZENE (CAS 100-41-4)	Listed: June 11, 2004
METHYLISOBUTYL KETONE (CAS 108-10-1)	Listed: November 4, 2011

### **US - California Proposition 65 - CRT: Listed date/Developmental toxin**

TOLUENE (CAS 108-88-3)	Listed: January 1, 1991
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### **US - California Proposition 65 - CRT: Listed date/Female reproductive toxin**

TOLUENE (CAS 108-88-3)	Listed: August 7, 2009
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## International Inventories

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

\*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, including date of preparation or last revision

**Issue date** 03-24-2015

**Version #** 01

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

**Revision Information** Product and Company Identification: Product and Company Identification  
Composition / Information on Ingredients: Ingredients  
Physical & Chemical Properties: Multiple Properties  
Toxicological Information: Toxicological Data