

**Issue date** 22-May-2018

**Revision date** 07-Nov-2022

**Revision Number** 3

## 1. IDENTIFICATION

### Product identification

Product identifier	Lawson Black Battery Terminal Protector
Other means of identification	1530609
Recommended use	Sealant
Restrictions on use	For industrial use only

### Supplier

Corporate Headquarters:  
Lawson Products, Inc.  
8770 W. Bryn Mawr Ave., Suite 900  
Chicago, IL 60631  
(866) 837-9908

Canadian Distribution Center:  
Lawson Canada  
7315 Rapistan Court  
Mississauga, ON L5N 5Z4  
(800) 323-5922

**24 Hour Emergency Phone Number** (888) 426-4851 (Prosar)

**Website** [www.lawsonproducts.com](http://www.lawsonproducts.com)

## 2. HAZARD(S) IDENTIFICATION

**Hazard Classification** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), WHMIS 2015 and GHS Regulations.

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

### Symbol



### Signal word

DANGER

**Hazard statements**

H222 - Extremely flammable aerosol  
H280 - Contains gas under pressure; may explode if heated  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness  
H372 - Causes damage to organs through prolonged or repeated exposure  
H351 - Suspected of causing cancer

**Precautionary statements****General**

P101 - If medical advice is needed, have product container or label at hand  
P102 - Keep out of reach of children  
P103 - Read label before use.

**Prevention**

P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 - Do not spray on an open flame or other ignition source  
P251 - Pressurized container: Do not pierce or burn, even after use  
P260 - Do not breathe dusts or mists  
P264 - Wash hands thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P271 - Use only outdoors or in a well-ventilated area  
P272 - Contaminated work clothing should not be allowed out of the workplace  
P280 - Wear protective gloves/protective clothing and eye/face protection

**Response****General**

P314 - Get medical advice/attention if you feel unwell.  
P308 + P313 - IF exposed or concerned: Get medical advice/attention

**Eyes**

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P337 + P313 - If eye irritation persists: Get medical advice/attention

**Skin**

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P362 - Take off contaminated clothing and wash before reuse  
P332 + P313 - If skin irritation occurs: Get medical advice/attention

**Inhalation**

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell

**Ingestion**

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
P331 - Do NOT induce vomiting

**Fire**

P370 + P378 - In case of fire: Use carbon dioxide to extinguish

**Spill**

P391 - Collect spillage

**Storage**

P405 - Store locked up  
P410 - Protect from sunlight  
P412 - Do not expose to temperatures exceeding 50 °C/122 °F  
P403 - Store in a well-ventilated place

**Disposal**

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

**Hazard(s) Not Otherwise Classified (HNOC)**

None known.

**Physical Hazards Not Otherwise Classified (PHNOC)**

DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

**Unknown acute toxicity**

Unknown Toxicity: 67.3% Inhalation, 67.3% Dermal, 64.1% Oral.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Composition**

Mixture.

Chemical name	CAS-No	Weight %
Acetone	67-64-1	25-30
Propane	74-98-6	20-25
n-Butyl acetate	123-86-4	12-15
Butane	106-97-8	9-11
Talc, not containing asbestos fibers	14807-96-6	9-11
Light Aliphatic Naptha Solvent	64742-89-8	7-10
Ethyl 3-Ethoxypropionate	763-69-9	1.5-3
Xylene (mix)	1330-20-7	1.5-3
Carbon Black	1333-86-4	.5-1
Ethyl benzene	100-41-4	.5-1
Unsaturated Fatty Acids	85711-46-2	.1-1

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or environment and hence require reporting in this section  
Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**4. FIRST-AID MEASURES****Necessary first-aid measures****Inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Ingestion**

Get medical attention immediately. Call a POISON CENTER or doctor. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin contact**

Wash with plenty of soap and water. Remove contaminated clothing and footwear. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Eye contact**

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get

medical attention.

**Most important symptoms (acute)**

Causes serious eye irritation. Can cause Central Nervous System depression. May cause lasting adverse effects on aquatic organisms. Causes skin irritation. May cause allergic skin reaction. May be fatal if swallowed and enters airways.

**Most important symptoms (over-exposure)**

Adverse symptoms may include the following: eye pain, redness, and watering. Respiratory tract irritation. Coughing. Nausea or vomiting. Headache. Drowsiness/fatigue. Dizziness/vertigo. Unconsciousness. Skin irritation. Redness. Ingestion may cause nausea or vomiting.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. No action shall be taken involving any personal risk or without suitable training. If it is suspected that vapors or fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. See section 11 for toxicological information.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media**

None known.

**Specific hazards**

Extremely Flammable Aerosol. Runoff to sewer may cause fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Hazardous Thermal Decomposition Products: Carbon dioxide. Carbon monoxide. metal oxide/oxides.

**Special protective equipment for fire-fighters**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if you can do it without risk. Use water spray to keep fire-exposed containers cool. Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering the area. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in the hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information for 'non-emergency personnel'. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods and materials for containment and cleaning up**

Small Spill: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.  
Large Spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry in sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect

spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Use spark-proof tools and explosion proof equipment. See section 1 for emergency contact information and section 13 for disposal information.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Put on appropriate personal protective equipment (see section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Do not breathe vapors or spray mist. Do not take internally. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information on hygiene measures.

### Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store away from direct sunlight in dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Protect from sunlight. Store locked up. Eliminate all sources of ignition. Use appropriate containment to avoid environmental contamination. See section 10 for incompatible materials.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

Chemical name	OSHA PEL (TWA)	California - PELs	ACGIH OEL (TWA)	NIOSH - TWA
Acetone	1000 ppm TWA 2400 mg/m <sup>3</sup> TWA	500 ppm PEL; 1200 mg/m <sup>3</sup> PEL	250 ppm TWA	250 ppm TWA 590 mg/m <sup>3</sup> TWA
Propane	1000 ppm TWA 1800 mg/m <sup>3</sup> TWA	1000 ppm PEL; 1800 mg/m <sup>3</sup> PEL		1000 ppm TWA 1800 mg/m <sup>3</sup> TWA 1000 ppm TWA 1800 mg/m <sup>3</sup> TWA
n-Butyl acetate	150 ppm TWA 710 mg/m <sup>3</sup> TWA	150 ppm PEL; 710 mg/m <sup>3</sup> PEL	50 ppm TWA	150 ppm TWA 710 mg/m <sup>3</sup> TWA
Butane	-	800 ppm PEL; 1900 mg/m <sup>3</sup> PEL		800 ppm TWA 1900 mg/m <sup>3</sup> TWA 1000 ppm TWA 1800 mg/m <sup>3</sup> TWA
Talc, not containing asbestos fibers	-	2 mg/m <sup>3</sup> PEL (respirable dust, containing no Asbestos fibers, <1% Crystalline silica)	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> TWA
Light Aliphatic Naptha Solvent	-			
Ethyl 3-Ethoxypropionate	-			
Xylene (mix)	100 ppm TWA 435 mg/m <sup>3</sup> TWA	100 ppm PEL; 435 mg/m <sup>3</sup> PEL	20 ppm TWA	
Carbon Black	3.5 mg/m <sup>3</sup> TWA	3.5 mg/m <sup>3</sup> PEL	3 mg/m <sup>3</sup> TWA	3.5 mg/m <sup>3</sup> TWA 0.1 mg/m <sup>3</sup> TWA
Ethyl benzene	100 ppm TWA 435 mg/m <sup>3</sup> TWA	5 ppm PEL; 22 mg/m <sup>3</sup> PEL	20 ppm TWA	100 ppm TWA 435 mg/m <sup>3</sup> TWA
Unsaturated Fatty Acids	-			

### Appropriate engineering controls

Ensure adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any

recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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

#### Eye protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

#### Skin and body protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use the the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

#### Respiratory protection

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Wear a NIOSH approved organic vapor respirator.

#### Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Contaminated work clothing should not be allowed out of the workplace.

### Canadian Province Occupational Exposure Limits

Chemical name	AB	BC	MB	NB	NL	NS	ON	PE	QC	SK
Acetone	500 ppm TWA 1200 mg/m <sup>3</sup> TWA	250 ppm TWA	250 ppm TWA	500 ppm TWA 1188 mg/m <sup>3</sup> TWA	250 ppm TWA	250 ppm TWA	250 ppm TWA	250 ppm TWA	500 ppm TWA 1190 mg/m <sup>3</sup> TWA	500 ppm TWA
Propane	1000 ppm TWA 1640 mg/m <sup>3</sup> TWA	1000 ppm TWA	-	1000 ppm TWA 1640 mg/m <sup>3</sup> TWA	-	-	-	-	1000 ppm TWA 1800 mg/m <sup>3</sup> TWA 1000 ppm TWA 1640 mg/m <sup>3</sup> TWA	1000 ppm TWA 1000 ppm TWA
n-Butyl acetate	150 ppm TWA 713 mg/m <sup>3</sup> TWA	50 ppm TWA	50 ppm TWA	150 ppm TWA 713 mg/m <sup>3</sup> TWA	50 ppm TWA 50 ppm TWA	50 ppm TWA	50 ppm TWA	50 ppm TWA 50 ppm TWA	50 ppm TWA	150 ppm TWA
Butane	1000 ppm TWA 1640 mg/m <sup>3</sup>	1000 ppm TWA	-	800 ppm TWA 1900 mg/m <sup>3</sup>	-	-	-	-	800 ppm TWA 1900 mg/m <sup>3</sup>	1000 ppm TWA 1000 ppm

Chemical name	AB	BC	MB	NB	NL	NS	ON	PE	QC	SK
	TWA			TWA 1000 ppm TWA 1640 mg/m <sup>3</sup> TWA					TWAEV 1000 ppm TWAEV 1640 mg/m <sup>3</sup> TWAEV	TWA 1000 ppm TWA 1000 ppm TWA
Talc, not containing asbestos fibers	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> TWAEV	2 mg/m <sup>3</sup> TWA
Light Aliphatic Naptha Solvent	-	-	-	-	-	-	-	-	-	-
Ethyl 3-Ethoxypropionate	-	-	-	-	-	-	50 ppm TWA 300 mg/m <sup>3</sup> TWA	-	-	-
Xylene (mix)	100 ppm TWA 434 mg/m <sup>3</sup> TWA	100 ppm TWA	20 ppm TWA	100 ppm TWA 434 mg/m <sup>3</sup> TWA	20 ppm TWA	20 ppm TWA	100 ppm TWA	20 ppm TWA	100 ppm TWAEV 434 mg/m <sup>3</sup> TWAEV	100 ppm TWA
Carbon Black	3.5 mg/m <sup>3</sup> TWA	3 mg/m <sup>3</sup> TWA	3 mg/m <sup>3</sup> TWA	3.5 mg/m <sup>3</sup> TWA	3 mg/m <sup>3</sup> TWA	3 mg/m <sup>3</sup> TWA	3 mg/m <sup>3</sup> TWA	3 mg/m <sup>3</sup> TWA	3 mg/m <sup>3</sup> TWAEV	3.5 mg/m <sup>3</sup> TWA
Ethyl benzene	100 ppm TWA 434 mg/m <sup>3</sup> TWA	20 ppm TWA	20 ppm TWA	100 ppm TWA 434 mg/m <sup>3</sup> TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	20 ppm TWAEV	100 ppm TWA
Unsaturated Fatty Acids	-	-	-	-	-	-	-	-	-	-

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Odor	Not available
Odor threshold	Not available
pH	7
Melting point/range °C	Not available
Melting point/range °F	Not available
Boiling point/range °C	Not available
Boiling point/range °F	Not available
Flash point °C	-29
Flash point °F	-20.2
Flash point method used	Pensky-Martens C.C.
Evaporation rate	5.6 (Butyl Acetate = 1)
Flammability (Solid, Gas)	Not available
Lower explosion limit	0.9 %
Upper explosion limit	12.8 %
Vapor pressure	101.3 kPa (760mm Hg) [at 20°C]
Vapor density	1.55(Air=1)

<b>Relative density</b>	0.76
<b>Solubility</b>	Not available
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Autoignition temperature °C</b>	Not available
<b>Autoignition temperature °F</b>	Not available
<b>Decomposition temperature °C</b>	Not available
<b>Decomposition temperature °F</b>	Not available
<b>Viscosity</b>	Kinematic (40°C (104°F)): <0.205cm <sup>2</sup> /s (<20.5 cSt)

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	Avoid heat, sparks, and other sources of ignition.
<b>Incompatible materials</b>	No specific data.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. TOXICOLOGICAL INFORMATION

<b>Information on likely routes of exposure</b>	Dermal. Inhalation. Ingestion. Eyes.
<b>Symptoms</b>	Causes serious eye irritation. Can cause Central Nervous System depression. Vapors may cause drowsiness and dizziness. May cause respiratory irritation. Causes skin irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. Adverse symptoms may include the following: eye pain, redness, and watering. Respiratory tract irritation. Coughing. Nausea. Vomiting. Headache. Drowsiness. Dizziness/vertigo. Unconsciousness. Fatigue. Skin irritation. Redness. Ingestion may cause nausea or vomiting.
<b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>	Causes damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

### Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Acetone	50100 mg/m <sup>3</sup> Rat	= 5800 mg/kg Rat >15700 mg/kg Rabbit	5800 mg/kg ( Rat )
Propane	658 mg/L (Rat) 4h	-	-
n-Butyl acetate	0.74 mg/L Rat	= 10768 mg/kg Rat >17600 mg/kg Rabbit	= 10768 mg/kg ( Rat )
Butane	30957 mg/m <sup>3</sup> (Rat) 4 h	-	-
Talc, not containing asbestos fibers	-	-	-



Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Light Aliphatic Naptha Solvent	-	= 5000 mg/kg Mouse 3000 mg/kg Rabbit	5000 mg/kg Mouse = 3000 mg/kg Rabbit
Ethyl 3-Ethoxypropionate	>5.96 mg/L Rat	= 5 g/kg Rat >9500 mg/kg Rabbit	5 g/kg Rat > 9500 mg/kg Rabbit
Xylene (mix)	29.08 mg/L Rat >5.04 mg/L Rat	= 3500 mg/kg Rat = 4820 mg/kg Rat >4350 mg/kg Rabbit >2000 mg/kg Rabbit	3500 mg/kg Rat 4820 mg/kg Rat > 1700 mg/kg Rabbit > 4350 mg/kg Rabbit > 2000 mg/kg Rabbit
Carbon Black	>4.6 mg/m <sup>3</sup> Rat	> 15400 mg/kg Rat	>15400 mg/kg Rat
Ethyl benzene	17.4 mg/L Rat >5.04 mg/L Rat	= 3500 mg/kg Rat = 4820 mg/kg Rat 15400 mg/kg Rabbit >2000 mg/kg Rabbit	3500 mg/kg Rat 4820 mg/kg Rat = 15400 mg/kg Rabbit > 2000 mg/kg Rabbit
Unsaturated Fatty Acids	-	-	-

**ATEmix (dermal)** 23966.7 mg/kg

**ATEmix (oral)** 68759.9 mg/kg

**ATEmix (inhalation-gas)** 99300.8 ppm

**ATEmix (inhalation-vapor)** Not available

**ATEmix (inhalation-dust/mist)** Not available

### Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA Carcinogens	NTP
Acetone	A4	-	-	-
Propane	-	-	-	-
n-Butyl acetate	-	-	-	-
Butane	-	-	-	-
Talc, not containing asbestos fibers	A4	Group 2B Group 3	Present	-
Light Aliphatic Naptha Solvent	-	-	-	-
Ethyl 3-Ethoxypropionate	-	-	-	-
Xylene (mix)	A4	Group 3	-	-
Carbon Black	A3	Group 2B	Present	-
Ethyl benzene	A3	Group 2B	Present	-
Unsaturated Fatty Acids	-	-	-	-

### Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Acetone	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Propane	-	-	-	-	-	-
n-Butyl acetate	-	-	-	ACGIH A4	-	-
Butane	-	-	-	-	-	-
Talc, not containing asbestos fibers	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Light Aliphatic Naptha	-	-	-	-	-	-

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Solvent						
Ethyl 3-Ethoxypropionate	-	-	-	-	-	-
Xylene (mix)	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Carbon Black	-	IARC 2B	ACGIH A3	ACGIH A4	ACGIH A3	C3 Carcinogen
Ethyl benzene	-	IARC 2B	ACGIH A3	-	ACGIH A3	C3 Carcinogen
Unsaturated Fatty Acids	-	-	-	-	-	-

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish LC50
Acetone	-	4.74 - 6.33mL/L Oncorhynchus mykiss 96h 6210 - 8120mg/L Pimephales promelas 96h = 8300mg/L Lepomis macrochirus 96h
Propane	-	-
n-Butyl acetate	=674.7mg/L Desmodesmus subspicatus 72h	17 - 19mg/L Pimephales promelas 96h = 100mg/L Lepomis macrochirus 96h = 62mg/L Leuciscus idus 96h
Butane	-	-
Talc, not containing asbestos fibers	-	> 100g/L Brachydanio rerio 96h
Light Aliphatic Naptha Solvent	=4700mg/L Pseudokirchneriella subcapitata 72h	-
Ethyl 3-Ethoxypropionate	-	= 62mg/L Pimephales promelas 96h
Xylene (mix)	=11mg/L Pseudokirchneriella subcapitata 72h	13.1 - 16.5mg/L Lepomis macrochirus 96h 13.5 - 17.3mg/L Oncorhynchus mykiss 96h 2.661 - 4.093mg/L Oncorhynchus mykiss 96h 23.53 - 29.97mg/L Pimephales promelas 96h 30.26 - 40.75mg/L Poecilia reticulata 96h 7.711 - 9.591mg/L Lepomis macrochirus 96h = 13.4mg/L Pimephales promelas 96h = 19mg/L Lepomis macrochirus 96h = 780mg/L Cyprinus carpio 96h > 780mg/L Cyprinus carpio 96h
Carbon Black	-	-
Ethyl benzene	1.7 - 7.6mg/L Pseudokirchneriella subcapitata 96h 2.6 - 11.3mg/L Pseudokirchneriella subcapitata 72h =11mg/L Pseudokirchneriella subcapitata 72h =4.6mg/L Pseudokirchneriella subcapitata 72h >438mg/L Pseudokirchneriella subcapitata 96h	11.0 - 18.0mg/L Oncorhynchus mykiss 96h 7.55 - 11mg/L Pimephales promelas 96h 9.1 - 15.6mg/L Pimephales promelas 96h = 32mg/L Lepomis macrochirus 96h = 4.2mg/L Oncorhynchus mykiss 96h = 9.6mg/L Poecilia reticulata 96h
Unsaturated Fatty Acids	-	> 100mg/L Danio rerio 96h

**Persistence and degradability** Not available.

### Bioaccumulation

Chemical name	CAS-No	Partition coefficient (log Kow)	Bioconcentration factor (BCF)
Acetone 67-64-1	67-64-1	-0.24	0.69 dimensionless species: fish
Propane 74-98-6	74-98-6	2.3 <=2.8	-

Chemical name	CAS-No	Partition coefficient (log Kow)	Bioconcentration factor (BCF)
n-Butyl acetate 123-86-4	123-86-4	1.81 at 23 °C (ECHA_API); 2.3 at 25 °C (at pH 7, ECHA_API)	-
Butane 106-97-8	106-97-8	2.31 at 20 °C (at pH 7, ECHA_API) ≤2.8	-
Talc, not containing asbestos fibers 14807-96-6	14807-96-6	-	no known bioaccumulation
Light Aliphatic Naptha Solvent 64742-89-8	64742-89-8	-	-
Ethyl 3-Ethoxypropionate 763-69-9	763-69-9	1.47 [OECD Guideline 117] (at pH 6.3, ECHA_API)	-
Xylene (mix) 1330-20-7	1330-20-7	2.77 - 3.15	0.6 - 15 dimensionless
Carbon Black 1333-86-4	1333-86-4	-	-
Ethyl benzene 100-41-4	100-41-4	3.6 at 20 °C [Directive 84/449/EEC, A.8] (at pH 7.84, ECHA_API)	15 dimensionless species: fish
Unsaturated Fatty Acids 85711-46-2	85711-46-2	>4 at 23 °C (ECHA_API)	-

**Mobility in soil** Not available.

**Other adverse effects** No known significant effects or critical hazards.

### 13. DISPOSAL CONSIDERATIONS

**Disposal information** The generation of waste should be avoided or minimized whenever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Contaminated packaging** Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its containers must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate.

### 14. TRANSPORTATION INFORMATION

#### Shipping Descriptions

##### DOT

ID-No UN1950  
 Proper shipping name Aerosols  
 Hazard Class(es) 2.1  
 Packing group  
 Special Provisions LTD QTY

##### TDG

ID-No UN1950  
 Proper shipping name Aerosols  
 Hazard Class(es) 2.1  
 Packing group  
 Special Provisions LTD QTY

##### IATA

ID-No UN1950  
 Proper shipping name Aerosols, flammable

Hazard Class(es)	2.1
Subsidiary Risk	
Packing group	
ERG Code	126
Special Provisions	LTD QTY

**IMDG/IMO**

ID-No	UN1950
Proper shipping name	Aerosols
Hazard Class(es)	2.1
Packing group	
EmS No	F-D, S-U
Special Provisions	LTD QTY

**Marine Pollutants**

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Acetone	67-64-1	-	-	-
Propane	74-98-6	-	-	-
n-Butyl acetate	123-86-4	-	-	-
Butane	106-97-8	-	-	-
Talc, not containing asbestos fibers	14807-96-6	-	-	-
Light Aliphatic Naptha Solvent	64742-89-8	-	-	-
Ethyl 3-Ethoxypropionate	763-69-9	-	-	-
Xylene (mix)	1330-20-7	-	-	-
Carbon Black	1333-86-4	-	-	-
Ethyl benzene	100-41-4	-	-	-
Unsaturated Fatty Acids	85711-46-2	-	-	-

**Special Precautions**

Multi-modal shipping descriptions are provided for informational purposes and do not consider container size. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

**15. REGULATORY INFORMATION****State regulations****U.S. state Right-to-Know regulations**

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Acetone	67-64-1	X	X	X
Propane	74-98-6	X	X	X
n-Butyl acetate	123-86-4	X	X	X
Butane	106-97-8	X	X	X
Talc, not containing asbestos fibers	14807-96-6	X	X	X
Light Aliphatic Naptha Solvent	64742-89-8	-	-	-
Ethyl 3-Ethoxypropionate	763-69-9	-	-	-
Xylene (mix)	1330-20-7	X	X	X
Carbon Black	1333-86-4	X	X	X
Ethyl benzene	100-41-4	X	X	X
Unsaturated Fatty Acids	85711-46-2	-	-	-

**California Prop. 65**

Chemical name	CAS-No	California Prop. 65
Acetone	67-64-1	-
Propane	74-98-6	-
n-Butyl acetate	123-86-4	-
Butane	106-97-8	-
Talc, not containing asbestos fibers	14807-96-6	-
Light Aliphatic Naptha Solvent	64742-89-8	-
Ethyl 3-Ethoxypropionate	763-69-9	-
Xylene (mix)	1330-20-7	-
Carbon Black	1333-86-4	Carcinogen
Ethyl benzene	100-41-4	Carcinogen
Unsaturated Fatty Acids	85711-46-2	-

**U.S. Federal Regulations****US EPA SARA 313**

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Acetone	67-64-1	5000 lb 2270 kg	-
Propane	74-98-6	-	-
n-Butyl acetate	123-86-4	5000 lb 2270 kg	-
Butane	106-97-8	-	-
Talc, not containing asbestos fibers	14807-96-6	-	-
Light Aliphatic Naptha Solvent	64742-89-8	-	-
Ethyl 3-Ethoxypropionate	763-69-9	-	-
Xylene (mix)	1330-20-7	100 lb 45.4 kg	1.0 %
Carbon Black	1333-86-4	-	-
Ethyl benzene	100-41-4	1000 lb 454 kg	0.1 %
Unsaturated Fatty Acids	85711-46-2	-	-

**US EPA SARA 311/312  
hazardous categorization**

Not available

**TSCA and Canadian Inventories**

Chemical name	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification	DSL	NDSL
Acetone	X	-	X	-
Propane	X	-	X	-
n-Butyl acetate	X	-	X	-
Butane	X	-	X	X
Talc, not containing asbestos fibers	X	-	X	-
Light Aliphatic Naptha Solvent	X	-	X	-
Ethyl 3-Ethoxypropionate	X	-	X	-
Xylene (mix)	X	-	X	-

Chemical name	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification	DSL	NDSL
Carbon Black	X	-	X	-
Ethyl benzene	X	-	X	-
Unsaturated Fatty Acids	X	-	-	X

Legend X - Listed

## 16. OTHER INFORMATION

### NFPA

Health Not available  
 Flammability Not available  
 Instability Not available

### HMIS

Health 2 \*  
 Flammability 3  
 Physical hazards 0  
 Personal protection To be determined by customer.

Notice: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

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### Revision note

### Key to abbreviations

ACGIH (American Conference of Governmental Industrial Hygienists)  
 ATE (Average Toxicity Estimate)  
 DSL/NDSL (Domestic Substance List/Non-Domestic Substance List)  
 HMIS (Hazardous Materials Identification System)  
 IARC (International Agency for Research on Cancer)  
 IATA (International Air Transport Association)  
 IMDG/IMO (International Maritime Dangerous Goods/International Maritime Organization)  
 NFPA (National Fire Protection Association)  
 NTP (National Toxicology Program)  
 OEL (Occupational Exposure Level)  
 OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
 PEL (Permissible Exposure Limit)  
 TSCA (Toxic Substance Control Act)  
 USEPA (United States Environmental Protection Agency)

### Disclaimer

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

End of Safety Data Sheet