

## Battery Protector BP-8 5477

SDS Number: 5477-AP44718

Revision Date: 5/8/2015

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### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Vendor

Master Chemical  
4635 Willow Drive  
Medina, MN 55340

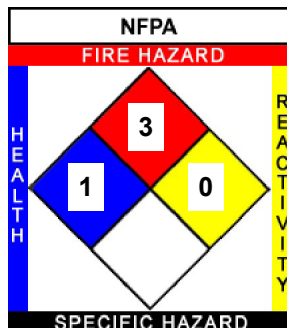
Phone: 612-478-2360

**Product Name:** Battery Protector BP-8 5477  
**Revision Date:** 5/8/2015  
**Version:** New  
**SDS Number:** 5477-AP44718  
**Common Name:** Aerosol Corrosion Inhibiting Coating  
**Product Code:** 5477  
**Product Use:** Corrosion Inhibiting Coating

### 2 HAZARDS IDENTIFICATION

**Route of Entry:** Eyes - Yes Skin - Yes Inhalation - Yes Ingestion - Unlikely  
**Target Organs:** Skin, respiratory system, kidneys, auditory system, heart  
**Inhalation:** Large amounts may be harmful  
**Skin Contact:** May cause irritation, de-fating and dermatitis of skin. Prolonged contact with skin may cause blistering.  
**Eye Contact:** May cause irritation. Symptoms include stinging, tearing, redness, blurred vision and swelling of eyes.  
**Ingestion:** Harmful if swallowed. ASPIRATION HAZARD - This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

NFPA: Health = 1, Fire = 3, Reactivity = 0  
HMIS III: H1/F3/PH0



HMIS III	
HEALTH	1
FLAMMABILITY	3
PHYSICAL HAZARDS	0
PERSONAL PROTECTION B   Safety Glasses, Gloves	

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GHS Signal Word:

DANGER

GHS Hazard Pictograms:



GHS Classifications:

Physical, Flammable Aerosols, 1  
Health, Acute toxicity, 5 Oral  
Health, Aspiration hazard, 2  
Health, Acute toxicity, 5 Dermal  
Health, Serious Eye Damage/Eye Irritation, 2 B  
Health, Specific target organ toxicity - Single exposure, 3  
Health, Carcinogenicity, 2  
Physical, Gases Under Pressure, Liquefied Gas

GHS Phrases:

H222 - Extremely flammable aerosol  
H303 - May be harmful if swallowed  
H305 - May be harmful if swallowed and enters airways  
H313 - May be harmful in contact with skin  
H320 - Causes eye irritation  
H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness  
H351 - Suspected of causing cancer  
H280 - Contains gas under pressure; may explode if heated

GHS Precautionary Statements:

P102 - Keep out of reach of children.  
P103 - Read label before use.  
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking  
P243 - Take precautionary measures against static discharge.  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P270 - Do not eat, drink or smoke when using this product.  
P281 - Use personal protective equipment as required.  
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P302+352 - IF ON SKIN: Wash with soap and water.  
P304+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing.

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.  
P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

CONDITIONS AGGRAVATED BY EXPOSURE: Skin, lung (asthma-like), kidney, auditory system, pre-existing heart conditions.

LISTED CARCINOGENS: OSHA - Not listed IARC - Yes NTP - Not listed

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### 3 COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients:

Cas #	Percentage	Chemical Name
74-98-6	20-40%	Propane
67-64-1	20-40%	2-Propanone
1330-20-7	10-20%	Xylene
64742-47-8	5-10%	Distillates, petroleum, hydrotreated light
8042-47-5	5-10%	Mineral oil
100-41-4	1-10%	Ethyl benzene

### 4 FIRST AID MEASURES

- Inhalation:** Move to fresh air and keep at rest. Call a physician if symptoms develop and persist.
- Skin Contact:** Wash with soap and water. If skin irritation persists, call a physician immediately. Remove contaminated clothing and wash before reuse.
- Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
- Ingestion:** Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low to avoid getting into the lungs. Call a poison control center if large amounts are ingested. Never give anything by mouth to an unconscious person.

### 5 FIRE FIGHTING MEASURES

- Flammability:** EXTREMELY FLAMMABLE per Flame Projection Test
- Flash Point:** -4°F (-20°C) (concentrate)
- Flash Point Method:** Estimate
- Autoignition Temp:** Not established
- LEL:** Not established
- UEL:** Not established

#### Means of Extinction:

- Suitable Extinguishing Media: Powder, foam, carbon dioxide.
- Unsuitable Extinguishing Media: Not available.
- Products of Combustion: May include, and are not limited to: oxides of carbon.

#### Explosion Data:

- Sensitivity to Mechanical Impact: Not available.
- Sensitivity to Static Discharge: Not available.
- Protection of Firefighters: Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

### 6 ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.
- Environmental Precautions:** Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water

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pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

**Methods for Containment:** Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for Clean-Up:** Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.

## 7 HANDLING AND STORAGE

### Handling Precautions:

HARMFUL IF INHALED OR SWALLOWED. VAPOR HARMFUL. VAPOR MAY CAUSE FLASH FIRE. EYE, SKIN AND RESPIRATORY IRRITANT. Contents under pressure. Keep out of reach of children. Read label cautions carefully. Follow label directions to avoid injury. Use with adequate ventilation. Do not use in confined areas. Keep away from heat, sparks or open flames. Wash hands thoroughly after each use. Do not smoke while using. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not puncture container.

### Storage Requirements:

Keep out of reach of children. Do not store near heat, sparks, or open flames. Do not expose to temperatures above 120°F as container may vent, rupture or burst. Do not puncture or incinerate container.

Store in accordance with NFPA 30B for LEVEL 3 AEROSOL.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Controls:

Use ventilation adequate to keep exposures below recommended exposure limits.

### Personal Protective Equip:

HMIS PP, B | Safety Glasses, Gloves

Eye Protection: Wear eye/face protection.

Hand Protection: Wear suitable gloves.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

INGREDIENTS	EXPOSURE LIMITS		
	OSHA-PEL	ACGIH-TLV	OTHER
Propane	Not established	1000 ppm	
2-Propanone	1000 ppm	500 ppm	750 ppm STEL
Xylene	100 ppm	100 ppm	
Distillates, petroleum, hydrotreated light	5 mg/m3 TWA (mist)	5 mg/m3 (mist)	10 mg/m3 STEL
Mineral oil	5 mg/m3 TWA (mist)	5 mg/m3 (mist)	10 mg/m3 STEL
Ethyl benzene	100 ppm	100 ppm	

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### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	dark purple opaque liquid
<b>Physical State:</b>	Mixture packaged in pressurized aerosol spray can.
<b>Odor:</b>	solvent
<b>Solubility:</b>	Insoluble in water
<b>Spec Grav./Density:</b>	0.835 g/ml
<b>Viscosity:</b>	Not established
<b>Percent Volatile:</b>	74.2%
<b>Heat Value:</b>	30.5 (estimated)
<b>Boiling Point:</b>	Not established
<b>Flammability:</b>	Flammable
<b>Flash Point:</b>	-4°F (-20°C) (concentrate)
<b>Vapor Pressure:</b>	Not established
<b>pH:</b>	Not applicable
<b>VOC:</b>	45%
<b>Evap. Rate:</b>	> 1.00 (BuAc=1)
<b>UFL/LFL:</b>	Not established

### 10 STABILITY AND REACTIVITY

<b>Stability:</b>	Product is stable under normal conditions.
<b>Conditions to Avoid:</b>	Heat, sparks, open flames and temperatures above 120°F
<b>Materials to Avoid:</b>	Strong Oxidizing Agents.
<b>Hazardous Decomposition:</b>	CO, CO <sub>2</sub> , and hydrocarbons.
<b>Hazardous Polymerization:</b>	Will not occur.

### 11 TOXICOLOGICAL INFORMATION

Not established

### 12 ECOLOGICAL INFORMATION

**Ecotoxicity:** May cause long-term adverse effects in the aquatic environment  
**Persistence / Degradability:** Not available.  
**Bioaccumulation / Accumulation:** Not available.  
**Mobility in Environment:** Not available.

### 13 DISPOSAL CONSIDERATIONS

Do not allow into drains or water sources. Waste and empty containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, weather special waste regulations apply.

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**14****TRANSPORT INFORMATION**

DOT Class: Flammable Gas (2.1) #2.1

UN #: UN 1950, Class: 2, Proper Shipping Name: Aerosols, flammable

## DOT

UN Number	UN1950
UN proper shipping name	Aerosols, flammable
Transport Hazard Class(es)	
Class	2.1
Subsidiary risk	---
Label(s)	2.1
Packing group	Not applicable

## IATA

UN Number	UN1950
UN proper shipping name	Aerosols, flammable (ACETONE, XYLENE)
Transport Hazard Class(es)	
Class	2.1
Subsidiary risk	---
Label(s)	2.1
Packing group	Not applicable
Environmental hazards	No
Other information	
Passenger and cargo aircraft	Allowed
Cargo aircraft only	Allowed

## IMDG

UN Number	UN1950
UN proper shipping name	Aerosols, flammable
Transport Hazard Class(es)	
Class	2.1
Subsidiary risk	---
Label(s)	2.1
Packing group	Not applicable
Environmental hazards	No

**15****REGULATORY INFORMATION**

COMPONENT / (CAS/PERC) / CODES

\*Propane (74986 20-40%) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

\*2-Propanone (67641 20-40%) CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

\*Xylene (1330207 10-20%) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA,

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TSCA, TXAIR, TXHWL

\*Distillates, petroleum, hydrotreated light (64742478 5-10%) TSCA

\*Mineral oil (8042475 5-10%) TSCA

\*Ethyl benzene (100414 1-10%) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TSCA, TXAIR

### REGULATORY KEY DESCRIPTIONS

MASS = MA Massachusetts Hazardous Substances List  
NJHS = NJ Right-to-Know Hazardous Substances  
OSHAWAC = OSHA Workplace Air Contaminants  
PA = PA Right-To-Know List of Hazardous Substances  
TSCA = Toxic Substances Control Act  
TXAIR = TX Air Contaminants with Health Effects Screening Level  
CERCLA = Superfund clean up substance  
HAP = Hazardous Air Pollutants  
SARA313 = SARA 313 Title III Toxic Chemicals  
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)  
TXHWL = TX Hazardous Waste List  
CSWHS = Clean Water Act Hazardous substances  
EPCRAWPC = EPCRA Water Priority Chemicals  
PRIPOL = Clean Water Act Priority Pollutants  
TOXICPOL = Clean Water Act Toxic Pollutants

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### OTHER INFORMATION

*The information provided herein was believed to be accurate at the time of preparation and prepared from a compilation of sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of this product, and to determine the suitability of the product for its intended use.*

**Author: LR**

**Publication Date: 05/08/2015**

**Revision No.: New**