



# FVP BATTERY TERMINAL PROTECTION SPRAY

## Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

07/12/18 Version: 1.0

of issue: 05/28/2014

Revision date:

### 1.1. Product identifier

Product name : **FVP Battery Protection Spray**  
Product code : B7011

### 1.2.

Use of the substance/mixture : Battery Protectant.

1.3.

### Details of the supplier of the safety data sheet

Factory Motor Parts  
1380 Corporate Center Curve  
Eagan, MN 55121  
866-387-3343

1.4.

### Emergency telephone number

Emergency number: Infotrac 1-800-535-5053 :

### 2.1. Classification of the substance or mixture

#### GHS-US classification

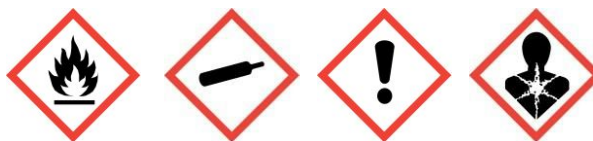
Flammable Aerosol 1  
Gases Under Pressure - Liquefied gas  
Skin irritation 2  
Eye irritation 2A  
Reproductive toxicity 2 (developmental)  
Specific target organ toxicity - Single exposure 3  
Specific target organ toxicity - Repeated exposure 2  
Aspiration hazard 1

2.2.

### Label elements

#### GHS-US labelling

Hazard pictograms (GHS-US) :



GHS02

GHS04

GHS07

GHS08

Signal word (GHS-US) :

: Danger

Hazard statements (GHS-US) :

: Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin irritation. Causes serious eye irritation. Suspected of damaging the unborn child. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.

Precautionary statements (GHS-US)

: Keep away from heat/sparks/open flames/hot surfaces. -No smoking. Do not spray on an open flame or other ignition source.  
Pressurized container: Do not pierce or burn, even after use.  
Wash hands thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Do not breathe gas/mist/vapors/spray. If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: 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. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international regulations.

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2.3.

No additional information available

2.4.

#### Unknown acute toxicity (GHS-US)

7 % of the mixture consists of ingredient(s) of unknown acute toxicity.

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EN (English)

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## 3.1. Substance

Not applicable

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3.2.

### Mixture

Name	Product identifier	%	GHS-US classification
Toluene	(CAS No) 108-88-3	30 - 60	Flam. Liq. 2 Acute Tox. 4 (Oral) Skin Irrit. 2 Repr. 2 STOT SE 3 STOT RE 2 Asp. Tox. 1
Acetone	(CAS No) 67-64-1	10 - 30	Flam. Liq. 2 Eye Irrit. 2A STOT SE 3
Propane	(CAS No) 74-98-6	10 - 30	Flam. Gas 1 Liquefied gas
Butane	(CAS No) 106-97-8	7 - 13	Flam. Gas 1 Liquefied gas
Methyl ethyl ketone	(CAS No) 78-93-3	1 - 5	Flam. Liq. 2 Eye Irrit. 2A STOT SE 3

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

## 4.1. Description of first aid measures

First-aid measures after inhalation	: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention if you feel unwell
First-aid measures after skin contact	: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
First-aid measures after eye contact	: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention.
First-aid measures after ingestion	: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person Get immediate medical advice/attention.

## 4.2.

Symptoms/injuries after inhalation	: May cause drowsiness, dizziness and central nervous system depression. May cause respiratory tract irritation. Intentional misuse of product by inhalation can result in asphyxiation or death.
Symptoms/injuries after skin contact	: Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Symptoms/injuries after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.

## 4.3.

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

## 5.1. Extinguishing media

Suitable extinguishing media	: Powder, water spray, foam, carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2.

### Special hazards arising from the substance or mixture

Fire hazard	: Extremely flammable aerosol. Products of combustion may include, and are not limited to: oxides of carbon.
Explosion hazard	: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

## 5.3.

Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Vapors may be heavier than air and may travel along the ground to a distant
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ignition source and flash back. Use water spray to keep fire-exposed containers cool.

6.1. Personal precautions,  
equipment and emergency procedures

# EVP BATTERY TERMINAL PROTECTION SPRAY

protective

General measures

## Safety Data Sheet

according to the Hazard Communication Standard (29 CFR 1910.1200) HazCom 2012.

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

## 6.2. Methods and material for and cleaning up

containment

For containment : Contain and/or absorb spill with

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 according to the Hazardous Materials Regulations (49 CFR 172.101-172.102), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up : Scoop up material and place in a disposal container. Provide ventilation.

## 6.3.

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

## 7.1. Precautions for safe handling

Precautions for safe handling

: Keep away from sources of ignition. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/mist/vapors/spray. When using do not eat, drink or smoke. Use only outdoors or in a well-ventilated area.

Hygiene measures

: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

## 7.2.

Storage conditions

: Keep locked up and out of reach of children. Do not expose to temperatures exceeding 50°C/ 122°F. Store away from direct sunlight or other heat sources. Store in a well-ventilated place.

## 7.3.

Not available.

## 8.1. Control parameters

<b>Toluene (108-88-3)</b>		
USA ACGIH	ACGIH TWA (ppm)	20 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm
USA OSHA	OSHA PEL (Ceiling) (ppm)	300 ppm

<b>Acetone (67-64-1)</b>		
USA ACGIH	ACGIH TWA (ppm)	500 ppm
USA ACGIH	ACGIH STEL (ppm)	750 ppm
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	2400 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	1000 ppm

<b>Propane (74-98-6)</b>		
USA ACGIH	ACGIH TWA (ppm)	1000 ppm
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	1800 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	1000 ppm

<b>Butane (106-97-8)</b>		
USA ACGIH	ACGIH STEL (ppm)	1000 ppm

<b>Methyl ethyl ketone (78-93-3)</b>		
USA ACGIH	ACGIH TWA (ppm)	200 ppm
USA ACGIH	ACGIH STEL (ppm)	300 ppm
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	590 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm

## 8.2. Exposure controls

Appropriate engineering controls

: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal protective equipment

: Avoid all unnecessary exposure.

Hand protection

: Wear chemically resistant protective gloves.

Eye protection

: Safety glasses or goggles are recommended when using product.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

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### **Safety Data Sheet**

according to the Hazard

: A NIOSH approved respirator is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

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**Safety Data Sheet**

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

**9.1. Information on basic physical and chemical properties**

Physical state	Gas/Pressurized Liquid.
Appearance	: No data available.
Colour	: Red.
Odour	: Solvent.
Odour threshold	: No data available.
pH	: No data available.
Relative evaporation rate (butylacetate=1)	: No data available.
Melting point	: No data available.
Freezing point	: No data available.
Boiling point	: No data available.
Flash point	: No data available.
Self ignition temperature	: No data available.
Decomposition temperature	: No data available.
Flammability (solid, gas)	: Flammable.
Vapour pressure	: No data available.
Relative vapour density at 20 °C	: No data available.
Relative density	: 0.90 - 0.91
Solubility	: No data available.
Log Pow	: No data available.
Log Kow	: No data available.
Viscosity, kinematic	: No data available.
Viscosity, dynamic	: No data available.
Explosive properties	: No data available.
Oxidising properties	: No data available.
Explosive limits	: No data available.

**9.2.**  
No additional information available

**10.1. Reactivity**

No dangerous reaction known under conditions of normal use.

**Chemical stability**

Stable under normal storage conditions. Extremely flammable aerosol. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn.

**Possibility of hazardous reactions**

No dangerous reaction known under conditions of normal use.

**Conditions to avoid**

Heat. Incompatible materials. Sources of ignition.

**Incompatible materials**

Acids. Amines. Bases. Oxidizers.

**Hazardous decomposition products**

May include, and are not limited to: oxides of carbon.

10.2.

10.3.

10.4.

10.5.

10.6.

11.1. Information on effects

toxicological

Acute toxicity  
Not classified

## FVP BATTERY TERMINAL PROTECTION SPRAY

7011	
LD50 oral rat	Safety Data Sheet 2000 mg/kg according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5 mg/l/4h

**Toluene (108-88-3)**

LD50 oral rat > 5000 mg/kg



<b>Toluene (108-88-3)</b>	
LD50 dermal rat	12124 mg/kg
LD50 dermal rabbit	8390 mg/kg
LC50 inhalation rat (mg/l)	28.1 mg/l/4h

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<b>Acetone (67-64-1)</b>	
LD50 oral rat	5800 mg/kg
LC50 inhalation rat (mg/l)	50100 mg/m <sup>3</sup> /8h

Safety Data Sheet  
according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

### Propane (74-98-6)

LC50 inhalation rat (mg/l) 658 mg/l/4h

### Butane (106-97-8)

LC50 inhalation rat (mg/l) 658 mg/l/4h

<b>Methyl ethyl ketone (78-93-3)</b>	
LD50 oral rat	2737 mg/kg
LD50 dermal rabbit	6480 mg/kg
LC50 inhalation rat (mg/l)	23500 mg/m <sup>3</sup> /8 h

Skin corrosion/irritation : Causes skin irritation.  
 Serious eye damage/irritation : Causes serious eye irritation.  
 Respiratory or skin sensitisation : Based on available data, the classification criteria are not met.  
 Germ cell mutagenicity : Based on available data, the classification criteria are not met.  
 Carcinogenicity : Based on available data, the classification criteria are not met.

### Toluene (108-88-3)

IARC group 3

Reproductive toxicity : Suspected of damaging the unborn child.  
 Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness.  
 Specific target organ toxicity (repeated exposure) : May cause damage to organs through prolonged or repeated exposure.  
 Aspiration hazard : May be fatal if swallowed and enters airways.

Symptoms/injuries after inhalation : May cause drowsiness, dizziness and central nervous system depression. May cause respiratory tract irritation. Intentional misuse of product by inhalation can result in asphyxiation or death.  
 Symptoms/injuries after skin contact : Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.  
 Symptoms/injuries after eye contact : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.  
 Symptoms/injuries after ingestion : May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.

## 12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

## 12.2. Persistence and degradability

<b>7011</b>	Persistence and degradability	Not established.
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## 12.3. Bioaccumulative potential

<b>7011</b>	Bioaccumulative potential	Not established.
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## 12.4. Mobility in soil

No additional information available

## Other adverse effects

No additional information available

**13.1. Waste treatment**

**methods**

Waste disposal  
recommendations

: This material must be disposed  
of in accordance with all local,  
state, provincial, and federal  
regulations. The generation of waste should be avoided or minimized wherever possible.

Additional information

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Flammable vapours may accumulate in the container. Do not incinerate closed containers.  
according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

In accordance with DOT:

UN number

# FVP BATTERY TERMINAL PROTECTION SPRAY

14.1.

UN-No.

Safety Data Sheet UN1950

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

14.2.

UN proper shipping name

Proper Shipping Name :

Hazard Classes

Hazard labels :

Aerosols, flammable  
2.1



14.3.

## Additional information

Other information

: No supplementary information available.

Special transport precautions

: Do not handle until all safety precautions have been read and understood.

## 15.1. US Federal regulations

### Toluene (108-88-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on SARA Section 313 (Specific toxic chemical listings)

SARA Section 313 - Emission Reporting 1.0 %

### Acetone (67-64-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

### Propane (74-98-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### Butane (106-97-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### Methyl ethyl ketone (78-93-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2.

## US State regulations

7011

State or local regulations

This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:**

<b>IARC</b>	<b>International Agency for Research on Cancer</b> <b>FVP BATTERY TERMINAL PROTECTION SPRAY</b> 1 - Carcinogenic to humans; 2A - Probably carcinogenic to humans; 2B - Possibly carcinogenic to humans; 3 - Not classifiable; 4 - Probably not carcinogenic to humans. <small>according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.</small>
<b>NTP</b>	<b>National Toxicology Program.</b> 1 - Evidence of Carcinogenicity; 2 - Known Human Carcinogens; 3 - Reasonably anticipated to be Human Carcinogen; 4 - Substances delisted from report on Carcinogens; 5 - Twelfth Report - Items under consideration.

Indication of changes  
Date of issue  
Other information

: None.  
: 06/26/2014  
: None.

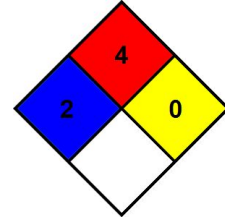
# FVP BATTERY TERMINAL PROTECTION SPRAY

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according to the Hazard Communication Standard (CFR29, 1910, 1200) HazCom 2012.

NFPA health hazard  
NFPA fire hazard  
NFPA reactivity

: 4  
: 0



*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*