



# Safety Data Sheet

Issue Date: 02-Jul-2020

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Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** SPLASH RV & Marine Antifreeze -50°F

### Other means of identification

**SDS #/Part #** 619527 (1 gallon), 619525 (2.5 gallon), 900956 (55 gallon drum), 483951 (250 gallon tote)

### Recommended use of the chemical and restrictions on use

**Recommended Use** Antifreeze.

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

#### **Manufacturer Address**

FMP  
1380 Corporate Center Curve, Suite 200  
Eagan, MN 55121  
Phone: 888-784-0802

#### **Emergency telephone number**

**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Pink liquid

**Physical state** Liquid

**Odor** Slight alcohol

### **Classification**

Flammable liquids

Category 3

### **Signal Word**

Warning

### **Hazard statements**

Flammable liquid and vapor



### **Precautionary Statements - Prevention**

Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Use explosion-proof equipment

Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards**

Harmful to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS No  | Weight-% |
|---------------|---------|----------|
| Ethyl Alcohol | 64-17-5 | 5-10     |
| Glycerol      | 56-81-5 | 1-5      |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST AID MEASURES

**Description of first aid measures**

|                       |   |
|-----------------------|---|
| <b>General Advice</b> | Provide this SDS to medical personnel for treatment.  |
| <b>Eye Contact</b>    | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.          |
| <b>Skin Contact</b>   | Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. |
| <b>Inhalation</b>     | Remove to fresh air.  |
| <b>Ingestion</b>      | Clean mouth with water and drink afterwards plenty of water.  |

**Most important symptoms and effects, both acute and delayed**

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | See Section 11: Toxicological Information of this SDS for more detailed symptoms. |
|-----------------|---|

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

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Flammable liquid and vapor.

**Hazardous combustion products** Smoke, fumes or vapors, and oxides of carbon.

**Explosion Data**

**Sensitivity to Static Discharge** Take precautionary measures against static discharge.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

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

**Personal Precautions** Use personal protective equipment as required.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Use explosion proof equipment. Wear protective gloves/protective clothing and eye/face protection.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials** None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

| Chemical name            | ACGIH TLV      | OSHA PEL   | NIOSH IDLH   |
|--------------------------|----------------|--|--|
| Ethyl Alcohol<br>64-17-5 | STEL: 1000 ppm | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup>   | IDLH: 3300 ppm<br>TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup> |
| Glycerol<br>56-81-5      | -              | TWA: 15 mg/m <sup>3</sup> mist, total particulate<br>TWA: 5 mg/m <sup>3</sup> mist, respirable fraction<br>(vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate<br>(vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction | -  |

**Appropriate engineering controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

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

**Eye/Face Protection** Wear eye/face protection. Refer to 29 CFR 1910.133 for eye and face protection regulations.

**Skin and Body Protection** Wear protective gloves and protective clothing. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

**Respiratory Protection** Refer to 29 CFR 1910.134 for respiratory protection requirements.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

|                       |             |                       |                |
|-----------------------|-------------|-----------------------|----------------|
| <b>Physical state</b> | Liquid      | <b>Odor</b>           | Slight alcohol |
| <b>Appearance</b>     | Pink liquid | <b>Odor Threshold</b> | Not determined |
| <b>Color</b>          | Pink        |                       |                |

| <b><u>Property</u></b>                        | <b><u>Values</u></b>    | <b><u>Remarks • Method</u></b> |
|---|-------------------------|--------------------------------|
| <b>pH</b>                                     | 8.2                     |                                |
| <b>Melting point / freezing point</b>         | 5.8 °C / 21.5 °F        |                                |
| <b>Boiling point / boiling range</b>          | Not determined          |                                |
| <b>Flash point</b>                            | 55.5 °C / 132 °F        |                                |
| <b>Evaporation Rate</b>                       | Not determined          |                                |
| <b>Flammability (Solid, Gas)</b>              | Liquid - Not Applicable |                                |
| <b>Flammability Limit in Air</b>              |                         |                                |
| <b>Upper flammability or explosive limits</b> | Not determined          |                                |
| <b>Lower flammability or explosive limits</b> | Not determined          |                                |
| <b>Vapor Pressure</b>                         | Not determined          |                                |
| <b>Vapor Density</b>                          | Not determined          |                                |
| <b>Relative Density</b>                       | Not determined          |                                |
| <b>Water Solubility</b>                       | Not determined          |                                |
| <b>Solubility in other solvents</b>           | Not determined          |                                |
| <b>Partition Coefficient</b>                  | Not determined          |                                |
| <b>Autoignition temperature</b>               | Not determined          |                                |
| <b>Decomposition temperature</b>              | Not determined          |                                |
| <b>Kinematic viscosity</b>                    | Not determined          |                                |
| <b>Dynamic Viscosity</b>                      | Not determined          |                                |
| <b>Explosive Properties</b>                   | Not determined          |                                |
| <b>Oxidizing Properties</b>                   | Not determined          |                                |

**10. STABILITY AND REACTIVITY**

**Reactivity**  
Not reactive under normal conditions.

**Chemical stability**  
Stable under recommended storage conditions.

**Possibility of hazardous reactions**  
None under normal processing.

**Conditions to Avoid**

Keep out of reach of children.

**Incompatible materials**

None known based on information supplied.

**Hazardous decomposition products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information****Eye Contact** Avoid contact with eyes.**Skin Contact** Avoid contact with skin.**Inhalation** Do not inhale.**Ingestion** Do not ingest.**Component Information**

| Chemical name               | Oral LD50             | Dermal LD50              | Inhalation LC50                     |
|-----------------------------|-----------------------|--------------------------|-------------------------------------|
| Ethyl Alcohol<br>64-17-5    | = 7060 mg/kg ( Rat )  | -                        | = 124.7 mg/L ( Rat ) 4 h            |
| Glycerol<br>56-81-5         | = 12600 mg/kg ( Rat ) | > 10 g/kg ( Rabbit )     | > 570 mg/m <sup>3</sup> ( Rat ) 1 h |
| Propylene Glycol<br>57-55-6 | = 20 g/kg ( Rat )     | = 20800 mg/kg ( Rabbit ) | -                                   |

**Symptoms related to the physical, chemical and toxicological characteristics****Symptoms** Please see section 4 of this SDS for symptoms.**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Carcinogenicity** Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

| Chemical name            | ACGIH | IARC    | NTP   | OSHA |
|--------------------------|-------|---------|-------|------|
| Ethyl Alcohol<br>64-17-5 | A3    | Group 1 | Known | X    |

**Legend****ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document .

**Oral LD50** 69,006.17 mg/kg**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

**Component Information**

| Chemical name               | Algae/aquatic plants                                  | Fish   | Crustacea   |
|-----------------------------|---|--|---|
| Ethyl Alcohol<br>64-17-5    |   | 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through<br>12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static                      | 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static 9268 - 14221: 48 h Daphnia magna mg/L LC50 |
| Glycerol<br>56-81-5         |   | 51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static   | 500: 24 h Daphnia magna mg/L EC50   |
| Propylene Glycol<br>57-55-6 | 19000: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 51400: 96 h Pimephales promelas mg/L LC50 static 710: 96 h Pimephales promelas mg/L LC50 41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static 51600: 96 h Oncorhynchus mykiss mg/L LC50 static | 1000: 48 h Daphnia magna mg/L EC50 Static 10000: 24 h Daphnia magna mg/L EC50   |

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

There is no data for this product.

**Mobility**

| Chemical name            | Partition coefficient |
|--------------------------|-----------------------|
| Ethyl Alcohol<br>64-17-5 | -0.32                 |
| Glycerol<br>56-81-5      | -1.76                 |

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

- Disposal of Wastes**                      Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Contaminated Packaging**              Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

| Chemical name            | California Hazardous Waste Status |
|--------------------------|-----------------------------------|
| Ethyl Alcohol<br>64-17-5 | Toxic<br>Ignitable                |

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** 1 and 55 Gallon Package  
NOT REGULATED PER 49 CFR 173.150(f)(2) "Combustible liquids in non-bulk packages"

250 Gallon Tote  
**UN number** UN1993  
**Proper Shipping Name** Flammable liquid, n.o.s. (Ethyl alcohol)  
**Transport hazard class(es)** 3  
**Packing Group** III

**IATA** 1 Gallon Package = PI355; 55 Gallon Package = PI366; 250 Gallon Tote = FORBIDDEN

**UN number** UN1993  
**Proper Shipping Name** Flammable liquid, n.o.s. (Ethyl alcohol)  
**Transport hazard class(es)** 3  
**Packing Group** III

**IMDG** 1 Gallon Package = LIMITED QUANTITY  
55 and 250 Gallon Package = FULLY REGULATED

**UN number** UN1993  
**Proper Shipping Name** Flammable liquid, n.o.s. (Ethyl alcohol)  
**Transport hazard class(es)** 3  
**Packing Group** III

**15. REGULATORY INFORMATION**

**International Inventories**

| Chemical name         | TSCA | TSCA Inventory Status | DSL/NDSL | EINECS/ELI NCS | ENCS | IECSC | KECL | PICCS | AICS |
|-----------------------|------|-----------------------|----------|----------------|------|-------|------|-------|------|
| Water                 | X    | ACTIVE                | X        | X              | X    | X     | X    | X     | X    |
| Ethyl Alcohol         | X    | ACTIVE                | X        | X              | X    | X     | X    | X     | X    |
| Glycerol              | X    | ACTIVE                | X        | X              | X    | X     | X    | X     | X    |
| Propylene Glycol      | X    | ACTIVE                | X        | X              | X    | X     | X    | X     | X    |
| Dipotassium Phosphate | X    | ACTIVE                | X        | X              | X    | X     | X    | X     | X    |

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

**US Federal Regulations****CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals.

| Chemical name           | California Proposition 65   |
|-------------------------|-----------------------------|
| Ethyl Alcohol - 64-17-5 | Carcinogen<br>Developmental |

**U.S. State Right-to-Know Regulations**

| Chemical name               | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------|------------|---------------|--------------|
| Ethyl Alcohol<br>64-17-5    | X          | X             | X            |
| Glycerol<br>56-81-5         | X          | X             | X            |
| Propylene Glycol<br>57-55-6 | X          |               | X            |

**16. OTHER INFORMATION****NFPA****Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS****Health Hazards**

Not determined

**Flammability**

Not determined

**Physical hazards**

Not determined

**Personal Protection**

Not determined

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**Revision Note:**

New format

**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 a 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.

**End of Safety Data Sheet**

