



Safety Data Sheet

Issue Date: 01-Oct-2018

Revision Date: 5-Jul-23

Version 1

1. IDENTIFICATION

Product identifier

Product Name SPLASH Heat Transfer Fluid

Other means of identification

SDS#/Part# 5 Gal.-900337, 900455; 250 Gal.Tote- 900456

Recommended use of the chemical and restrictions on use

Recommended Use Heat transfer fluid.

Details of the supplier of the safety data sheet

Manufacturer Address

FMP
1380 Corporate Center Curve, Suite 200
Eagan, MN 55121
Phone: 888-820-0802

Emergency telephone number

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

2. HAZARDS IDENTIFICATION

Appearance Colorless or purple liquid

Physical state Liquid

Odor None

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS No. | Weight-% |
|---------------|---------|----------|
| Glycerol | 56-81-5 | 45-50 |

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

General Advice

Provide this SDS to medical personnel for treatment.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.
Consult a physician.

| | |
|---------------------|--|
| Skin Contact | Wash off immediately with plenty of water for at least 15 minutes. |
| Inhalation | Remove to fresh air. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. |

Most important symptoms and effects, both acute and delayed

Symptoms See Section 11: Toxicological Information of this SDS for more detailed symptoms.

Indication of any immediate medical attention and special treatment needed

Notes to Physician 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

Not determined.

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.

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

| | |
|-----------------------------------|--|
| <u>Exposure Guidelines</u> | This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies |
|-----------------------------------|--|

Appropriate engineering controls

| | |
|-----------------------------|--|
| Engineering Controls | Apply technical measures to comply with the occupational exposure limits. Showers. Eyewash stations. |
|-----------------------------|--|

Individual protection measures, such as personal protective equipment

| | |
|---------------------------------------|--|
| Eye/Face Protection | Refer to 29 CFR 1910.133 for eye and face protection regulations. |
| Skin and Body Protection | 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

| | | | |
|---|----------------------------|--------------------------------|----------------|
| Physical state | Liquid | Odor | None |
| Appearance | Colorless or purple liquid | Odor Threshold | Not determined |
| Color | Colorless or purple | | |
| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> | |
| pH | ~7 | | |
| Melting point / freezing point | -61 °C / -77.8 °F | | |
| Boiling point / boiling range | 185 °C / 365 °F | | |
| Flash point | Not determined | | |
| Evaporation Rate | Not determined | | |
| Flammability (Solid, Gas) | Liquid - not applicable | | |
| Flammability Limit in Air | | | |
| Upper flammability or explosive limits | Not determined | | |
| Lower flammability or explosive limits | Not determined | | |
| Vapor Pressure | Not determined | | |
| Vapor Density | Not determined | | |
| Relative Density | 1.162 | | |
| Water Solubility | Soluble in water | | |
| Solubility in other solvents | Not determined | | |
| Partition Coefficient | Not determined | | |
| Autoignition temperature | Not determined | | |
| Decomposition temperature | Not determined | | |
| Kinematic viscosity | Not determined | | |
| Dynamic Viscosity | Not determined | | |
| Explosive Properties | Not determined | | |
| Oxidizing Properties | 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 |
|-----------------------------|-----------------------|--------------------------|-------------------------------------|
| Glycerol 56-81-5 | = 12600 mg/kg (Rat) | > 10 g/kg (Rabbit) | > 570 mg/m ³ (Rat) 1 h |
| Propylene Glycol 57-55-6 | = 20 g/kg (Rat) | = 20800 mg/kg (Rabbit) | - |

Symptoms related to the physical, chemical and toxicological characteristics**Symptoms** none known.**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Carcinogenicity** Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.**Numerical measures of toxicity**

Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information

| Chemical name | Algae/aquatic plants | Fish | Crustacea |
|-----------------------------|--|---|--|
| Glycerol 56-81-5 | | 51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static | 500: 24 h Daphnia magna mg/L EC50 |
| Propylene Glycol 57-55-6 | 19000: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 51600: 96 h Oncorhynchus mykiss mg/L LC50 static 41 - 47: 96 h | 1000: 48 h Daphnia magna mg/L EC50 Static 10000: 24 h Daphnia |

| | | | |
|--|--|---|-----------------|
| | | Oncorhynchus mykiss mL/L LC50 static 710: 96 h Pimephales promelas mg/L LC50 51400: 96 h Pimephales promelas mg/L LC50 static | magna mg/L EC50 |
|--|--|---|-----------------|

Persistence/Degradability

Not determined.

Bioaccumulation

There is no data for this product.

Mobility

| Chemical name | Partition coefficient |
|---------------------|-----------------------|
| Glycerol 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.

14. TRANSPORT INFORMATION

Note

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

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION

International Inventories

| Chemical name | TSCA | DSL/NDSL | EINECS/E LINCS | ENCS | IECSC | KECL | PICCS | AICS |
|-----------------------|------|----------|-------------------|------|-------|------|-------|------|
| Glycerol | X | X | X | X | X | X | X | X |
| Propylene Glycol | X | X | X | X | X | X | X | X |
| Dipotassium Phosphate | X | 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 does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------|------------|---------------|--------------|
| Glycerol 56-81-5 | X | X | X |
| Propylene Glycol 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

Issue Date:

01-Oct-2018

Revision Date:

5-Jul-23

Revision Note:

Deleted part number

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

