



Safety Data Sheet

Issue Date: 23-Jun-2015

Revision Date: 24-Aug-2015

Version: 1.01

1. IDENTIFICATION

Product Identifier:

Product Name: H2Flo
Product Number(s): G95790

Recommended Use of the Chemical and Restrictions on Use:

Description: Soil Surfactant

24-HOUR EMERGENCY TELEPHONE NUMBERS:

CHEMTREC (U.S.): 1-800-424-9300

CHEMTREC (International): 1-703-527-3887

Non-Emergency Calls: 1-800-492-8255

2. HAZARD(S) IDENTIFICATION

OSHA Regulatory Status:

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Not Hazardous:

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label Elements:

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance: liquid

Physical State: liquid

Odor:

Fertilizer

Hazards Not Otherwise Classified (HNOC):

Other Information:

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

4. FIRST-AID MEASURES

First Aid Measures:

| | |
|----------------------|---|
| Eye Contact: | Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. |
| Skin Contact: | Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. |
| Inhalation: | Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. |
| Ingestion: | Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. |

Indication of Any Immediate Medical Attention and Special Treatment Needed:

Notes to Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Unsuitable extinguishing media: High volume water jet.

Specific hazards: Thermal decomposition can lead to release of irritating gases and vapors.

Explosion Data:**Sensitivity to Mechanical Impact:**

no data available.

Sensitivity to Static Discharge:

no data available.

Special Protective Equipment for Firefighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Coordinate to fire in surrounding area.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment.

Environmental Precautions: Do not allow product to enter the environment uncontrolled. Avoid subsoil penetration.

Methods and Material for Containment and Cleanup:

Methods for containment: Control spill with dykes and absorb with inert absorbant material.

Methods for Cleanup: Take up mechanically and collect in suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Handling: Avoid container breakage.

Conditions for Safe Storage, Including any Incompatibilities:

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Exposure Guidelines:

Appropriate Engineering Controls:

Engineering Measures to Reduce Exposure: Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

Individual Protection Measures, Such as Personal Protective Equipment:

Eye/Face Protection: Tightly fitting safety goggles.

Skin and Body Protection: Lightweight protective clothing.

Respiratory Protection: When airborne exposure guidelines and/or comfort levels may be exceeded, use an approved air-purifying respirator.

General hygiene considerations: When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties:

| | | | |
|------------------------|------------|--------------------|--------------------------|
| Physical State: | liquid | Appearance: | liquid |
| Color: | amber | Odor | No information available |
| Odor: | Fertilizer | Threshold: | |

| <u>Property</u> | <u>Values</u> | <u>Remarks: • Method</u> |
|--------------------------------------|----------------------------------|------------------------------|
| pH: | No information available | |
| Melting Point/Freezing Point: | No information available | |
| Boiling Point/Range: | No information available | |
| Flash Point: | No information available | |
| Evaporation Rate: | No information available | |
| Flammability (solid, gas): | No information available | |
| Flammability Limits in Air: | | |
| Upper Flammability Limit: | No information available | |
| Lower Flammability Limit: | No information available | |
| Vapor Pressure: | No information available | |
| Vapor Density: | No information available | |
| Specific Gravity: | No information available | |
| Solubility: | No information available | |
| Solubility in other Solvents: | No information available | |
| Partition Coefficient: | No information available | |
| Autoignition Temperature: | No information available | |
| Decomposition Temperature: | No information available | |
| Kinematic Viscosity: | No information available | |
| Dynamic Viscosity: | No information available | |
| Explosive Properties: | Doesn't present explosion hazard | Based on data of ingredients |
| Oxidizing Properties: | No information available | |

Other Information:

| | |
|--------------------------|--------------------------|
| Softening Point: | No information available |
| Molecular Weight: | No information available |
| VOC Content (%): | No information available |

Density: No information available
Bulk density: No information available

10. STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions

Chemically Stable: yes.

Conditions to Avoid: Extreme heat.

Materials to avoid Nitrogen oxides (NOx).

Hazardous Decomposition Products: Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Possibility of Hazardous Reactions: None under normal processing.

11. TOXICOLOGICAL INFORMATION

Information on the Likely Routes of Exposure (inhalation, ingestion, skin and eye contact):

Eye effects: May cause minor irritation

Skin effects: May cause skin irritation

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Inhalation: May cause irritation of respiratory tract.

Component Information:

Information on Toxicological Effects:

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:

Mutagenic effects See section 3.
Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen.
Reproductive Toxicity No information available.
STOT - Single Exposure No known effects under normal use conditions.
STOT - Repeated Exposure None under normal use conditions.
Aspiration Hazard No information available.

Numerical Measures of Toxicity - Product Information:

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity effects: No information available.

Persistence and degradability: Inherently biodegradable.

Mobility: No information available.

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: | Do not reuse container. |

14. TRANSPORT INFORMATION

The description shown may not apply to all situations. Consult 49 CFR, or appropriate dangerous goods regulations for additional description requirements (e.g. technical name) and mode-specific or quantity-specific shipping requirements.

| | |
|--------------------------|---------------|
| DOT (Land) | Not regulated |
| DOT (AIR) | Not regulated |
| DOT (Vessel) | Not regulated |
| IATA (Air) | Not regulated |
| IMO/IMDG (Vessel) | Not regulated |

15. REGULATORY INFORMATION

Federal Regulations:

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

SARA 311/312 Hazard Categories:

| | |
|--|----|
| Acute health hazard | No |
| Chronic Health Hazard | No |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

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)

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). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

State Regulations (RTK):

California Proposition 65:

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

U.S. EPA Label information:

EPA Pesticide Registration Number:

not applicable

16. OTHER INFORMATION**NFPA:** Health: 1 Flammability: 0 Reactivity: 0**HMIS:** Health: 1 Flammability: 0 Reactivity: 0**Issue Date:** 23-Jun-2015**Revision Date:** 24-Aug-2015**Revision Note:****Reason for revision:** None**Disclaimer**

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End of Safety Data Sheet