

SDS# Flow-Plus
Date: Issue 1, Version 2 Revised 18 October 2016
Safety Data Sheet according to Regulation (EC) No 1272/2008 (CLP)

Flow-Plus®

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Name:

Flow-Plus® Condensate Pan Treatment

1.2 Relevant identified uses of the substances or mixture and uses advised against

Water soluble polymer that eliminates product floating and blocking of drain lines.
FP-6, FP-10, FP-25, FP-125, FP-200, FP-CP, IC-1, IC-1R, SCM-185-8, SCM-186-6

Uses advised against: Any applications other than those specified above.

1.3 Details of the supplier of the safety data sheet

Manufactured by (USA): DiversiTech Corporation
6650 Sugarloaf Parkway
Duluth, GA 30097

Manufactured for (UK): DiversiTech UK Limited
Glaisdale Drive East
Nottingham
NG8 4LY
United Kingdom
Tel: +44 1159005858
Fax: +44 1159294468
Email: www.diversitech.com

1.4 Emergency telephone number

Emergency Phone No.: 1 800.255.3924 (USA), 001+ 1813 248 0585 (UK), 24 Hours, 7 Emergency Days, Chem-Tel, Inc.

Prepared by: V. Leone

SECTION 2. HAZARDOUS IDENTIFICATION

2.1 Classification of the mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

GHS Classification:

Skin Irritation Category 2
Eye Irritation Category 2A

2.2 Label Elements:



Signal Word: Warning!

Hazard Statement(s)

H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary Statement(s)

P102 Keep out of reach of children.
P103 Read label before use.
P264 Wash hands thoroughly after handling.
P280 Wear rubber, nitrile or neoprene protective gloves and clothing, and safety goggles or face shield to protect eyes and face.
P305+ 351 + 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P332 + 313 If skin irritation occurs: Get medical attention.
P362 + 364 Take off contaminated clothing and wash it before reuse.
P337 + 313 If eye irritation persists: Get medical attention.

2.3 Other Hazards:

PBT: This product does not contain substances identified as PBT or vPvB.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

INGREDIENT	CAS No.	EINECS No.	% or Range	GHS Classification	
Benzyl-C12-C16 Alkyldimethyl Ammonium Chloride	68424-85-1	270-325-2	1-5*	H302: Harmful if swallowed H314: Causes severe Skin burns and eye damage	Category 4 Category 1B

*The exact percentage (concentration) of composition has been withheld as a trade secret.

*None of the ingredients listed in Section 3 contain REACH registration numbers..

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion: DO NOT INDUCE VOMITING! Give large quantities of water if available. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Contact: Wash with soap and water. Rinse with copious amounts of fresh, running water. If irritation persists, get medical attention.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

4.2. Signs and Symptoms of Exposure:

Inhalation: Vapors may cause mild irritation of the upper respiratory tract, depending on severity of exposure. Abusive or excessive inhalation of vapors may cause irritation to the upper respiratory tract.

Ingestion: Do not take internally. Low toxicity on ingestion. May cause nausea or diarrhea. Get medical attention immediately.

Skin Contact: Irritation or other physiological effects are unlikely from contact or prolonged exposure.

Eye Contact: May cause temporary eye irritation.

Medical Conditions Aggravated by Exposure: Contact may exacerbate existing skin disorders.

SECTION 5. FIREFIGHTING MEASURES

5.1 Suitable and Unsuitable Extinguishing Media: This product is not flammable. Use dry chemical, carbon dioxide, foam or other media suitable for the primary source of the fire.

5.2 Special Equipment and Precautions for Fire-Fighters: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode. Cool fire-exposed containers with a water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures: Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment and clothing during clean-up.

6.2 Methods and Material for Containment and Clean-Up: Contain and absorb liquid with clay, vermiculite or other inert substance, sweep up and package in a container suitable for disposal. Wash away residues with water. Dispose of absorbed material in accordance with Federal, local and state regulations.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling: Keep in a tightly closed container. Protect from physical damage. Keep this and all chemicals out of the reach of children. Wash thoroughly after handling.

7.2 Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatible materials. Observe all warnings and precautions listed for the product.

7.3 Specific end uses(s)

Condensate Pan Treatment

Industrial section specific solution: None.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Airborne Exposure Limits: None

8.2 Appropriate Engineering Controls:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

8.3 Personal Respirators (NIOSH Approved): Not required for normal use in accordance with label directions.

8.4 Skin Protection:

Protective gloves according to directive EN 374. For prolonged contact: Protective gloves made of Nitrile permeation time is > 160 mins layer thickness: 3.1 mil. Wear rubber, neoprene, nitrile, Saranex® boots, gloves, lab coat, apron or coveralls as necessary and appropriate to prevent skin contact.

8.5 Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities or a source of running water in the work area. Goggles according to directive EN 166.

Work Hygienic Practices: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating, smoking or using the bathroom.

(EN information added for PPE. General Statements)

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Waxy solid

Colour: Blue

Odor: Wintergreen odor

Odor Threshold: No data available

pH @ 25°C: 5.0-7.5

Melting Point (Pour Point): 175 °F

Freezing Point: No data available

Density: No data available

Viscosity: No data available

Explosive Properties: No data available

Oxidising Properties: No data available

Boiling Point: No data for mixture

Flash Point: No data for mixture

Evaporation Rate (Water = 1): No data for mixture

Solubility in water: Water soluble

Octanol/Water Partition Coefficient: No data available

Autoignition Temperature: No data available

Decomposition Temperature: No data available

Vapor Density (Air = 1): Same as water

Vapor pressure (mm Hg): No data for mixture

Flammable Limits: No data for mixture

LEL: N/A

UEL: N/A

SECTION 10. STABILITY AND REACTIVITY

10.1 Chemical Stability: Stable under ordinary conditions of use and storage.

10.2 Possibility of Hazardous Reactions: Will not occur.

10.3 Conditions to Avoid: Incompatibles.

10.4 Incompatible Materials: Strong oxidizers.

10.5 Hazardous Decomposition Products: May evolve carbon monoxide, carbon dioxide, and other unidentified fragments if this product is involved in a fire.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Potential Health Effects:

11.1.1 Inhalation: Vapors may cause mild irritation of the upper respiratory tract, depending on severity of exposure. Abusive or excessive inhalation of vapors may cause irritation to the upper respiratory tract.

11.1.2 Ingestion: Do not take internally. Low toxicity on ingestion. May cause nausea or diarrhea. Get medical attention immediately.

11.1.3 Skin Contact: Irritation or other physiological effects are unlikely from contact or prolonged exposure.

11.1.4 Eye Contact: May cause temporary eye irritation.

11.1.5 Medical Conditions Aggravated by Exposure: Contact may exacerbate existing skin disorders.

11.1.6 Carcinogenic effects: None classified.

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SECTION 11. TOXICOLOGICAL INFORMATION (cont.)

11.1.7 **Teratogenicity/Reproductive toxicity:** Not classified.

11.1.8 **Mutagenic effects:** Not classified.

11.1.9 **Numerical Measures of Toxicity:** Benzyl-C12-C16 Alkyldimethyl Ammonium Chloride: Oral-rat LD50:447 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

12.1 **Ecotoxicity:**

No data available

12.2 **Aquatic:**

Not available

12.3 **Persistence and Degradability:**

No data available

12.4 **Bioaccumulative Potential:**

No data available

12.5 **Mobility in Soil:**

No data available

12.6 **Other Adverse Effects:**

None known

Other: For more information, see "HANDBOOK OF ENVIRONMENTAL FATE AND EXPOSURE DATA."

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 **Waste treatment methods**

Incinerate this material and all associated wastes, or bury in an approved landfill in accordance with governmental regulations. Dispose of product that is contaminated in a manner that is appropriate for the hazardous contaminant. Observe all local, state, regional, national, and international regulations. If the stated options for disposal are unavailable, consign the material to a licensed hazardous waste contractor for proper disposal.

SECTION 14. TRANSPORTATION INFORMATION

14.1 **US DOT Hazard:**

None

14.2 **ADR/IMO/RID/ADN:**

Product is not classified as hazardous for transport.

14.3 **IATA/IMDG:**

Product is not classified as hazardous for transport.

SECTION 15. REGULATORY INFORMATION

15.1 **Chemical safety assessment**

TSCA: No ingredients are on TSCA (USA) list.

SARA TITLE III Reporting Requirements:

Section 302: EHS reporting not required.

Section 304: Hazardous releases reporting not required.

Section 311: Community Right To Know reporting is required if the inventory is above the Threshold Planning Quantity.

Section 312: R-T-K Inventory data reporting is not required.

Section 313: Emissions and release reporting may be required for users of this product within the manufacturing sector. This does not apply to service companies.

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SECTION 15. REGULATORY INFORMATION (cont.)

(UK):

Chemical safety assessment

A chemical safety assessment has not been conducted.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

SECTION 16. OTHER INFORMATION

Date Revised: 9/26/2016

HMIS III Ratings:

HMIS III®

Health	1
Flamability	0
Physical Hazard	0
Personal Protection	B

ABBREVIATIONS:

UN Model Regulations means the Model Regulations annexed to the most recently revised edition of the Recommendations on the Transport of Dangerous Goods published by the United Nations.

IMDG Code means the International Maritime Dangerous Goods code, as amended.

ADR means the European Agreement concerning the International Carriage of Dangerous Goods by Road, as amended.

RID means the Regulations concerning the International Carriage of Dangerous Goods by Rail, as amended.

ADN means the European Agreement concerning the International Transport of Dangerous Goods by Inland Waterways, as amended.

Sources of Key Data:

UK Regulatory References: The Control of Substances Hazardous to Health Regulations 2002 (as amended 2004), European Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.

Approved Code of Practice: Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply. British

Workplace Exposure Limits EH40.

Classification and Labelling Guidance: Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Annex 2

Precautionary Statement and Pictograms: Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Annex 3

Guidance on the Preparation of Safety Data Sheets: Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Annex 4