
SAFETY DATA SHEET

Section 1: IDENTIFICATION

Product Name: CS553 / PHLEX (Ready to Use)
Product Code: B6680
MSDS Date: November 7, 2014

Mast-Away Division
2101 Clifton Ave
St. Louis, MO 63139

General Information: 314-644-1300
CHEMTREC: 800-424-9300

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

GHS Classification:
Skin irritation (Category 2)
Eye irritation (Category 2A)

GHS Labeling



Symbol:

Signal Word: Warning

Hazard Statements:
Causes skin irritation.
Causes serious eye irritation

Precautionary Statements:

Prevention:

Wash thoroughly after handling.
Wear eye protection/face protection/protective gloves.

Response:

If eye irritation persists: 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 on skin: Wash with plenty of water.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.

Potential Health Effects: See Section 11 for more information

This product does not contain carcinogens or potential carcinogens as listed by IARC, NTP, or ACGIH.

This material contains components that are considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Environmental Effects: See Section 12 for more information.

Section 3: COMPOSTION/INFORMATION ON INGREDIENTS

No.	Component CAS REG. NO.	Amount %	OSHA		ACGIH	
			TWA	STEL	TWA	STEL
1	Ethylenediaminetetraacetic Acid CAS#64-02-8	1-20	Not Avail	Not Avail	Not Avail	Not Avail
2	Polyoxyethylene mono(octylphenyl)ether CAS#9002-93-1	1-20	Not avail	Not Avail	Not avail	Not avail
3	Potassium Hydroxide CAS#1310-58-3	1-20	2 mg/m3	Not avail	2 mg/m3	Not avail

Section 4: FIRST AID MEASURES

Emergency first aid procedures by route of exposure:

- Inhalation:** If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain medical attention.
- Ingestion:** Do not induce vomiting. Obtain medical attention.
- Skin:** Remove contaminated clothing as needed. Wash skin thoroughly with mild soap and water. Flush with lukewarm water for 15 minutes. Seek medical attention.
- Eyes:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

Section 5: FIRE FIGHTING MEASURES

Flash Point no data available

Suitable Extinguishing Media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Products of Combustion:

Carbon dioxide, carbon monoxide

Fire Fighting Equipment/Instructions:

Wear self contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool.

HAZARD	HMIS	NFPA
Toxicity	2	2
Fire	0	0
Reactivity	0	0

Section 6: ACCIDENTAL RELEASE MEASURES

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

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Method for Containment: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Methods for Clean-up: Use clean non-sparking tools to collect absorbed material. Dike large spills and place materials in salvage containers.

Section 7: HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Storage: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Personal Protective Equipment (PPE)

Respiratory Protection: A respiratory protection program that meets OSHA's 29CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use.

Eye/Face Protection: Eye protection such as chemical splash goggles and/or face shield must be worn.

Hand Protection: Wear chemical resistant gloves such as nitrile rubber.

Body: When skin contact is possible, protective clothing including apron, sleeves, boots, head and face protection should be worn.

Other Protective Equipment:

Facilities storing or utilizing this material should be equipped with eyewash and/or shower facilities.

See section 3 for exposure limits.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance, State: Clear Liquid

Color: Not Available

Odor: Not Available

pH: Not Available

Vapor Density Not Available

Boiling Point Not Available

Vapor Pressure Not Available

Freezing point Not Available

Flash Point (See Section 5)

Flammability Properties (See section 5)

Solubility (in water) Complete

Specific Gravity Not Available

Evaporation Rate Not Available

Octanol/Water partition coefficient (Kow) Not Available

Auto-ignition temperature (See section 5)
Decomposition temperature Not Available

Section 10: STABILITY AND REACTIVITY

Stability: This material is considered stable at ambient temperatures 70°C (21°C).

Condition to Avoid: Strong oxidizing agents

Hazardous Decomposition: Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Reactions: This product will not undergo polymerization.

Section 11: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS:

Component Analysis LD50

Ethylenediaminetetraacetic Acid CAS#64-02-8

LD50 Intraperitoneal - mouse - 330 mg/kg

Remarks: Kidney, Ureter, Bladder:Changes in tubules (including acute renal failure, acute tubular necrosis).

CHRONIC EFFECTS:

Component

Potassium hydroxide (1310-58-3)

Carcinogenic Effects: Not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA

Mutagenic Effects: Not known or reported to be mutagenic.

Teratogenic Effects: Not Available

Developmental Toxicity: There are no known or reported effects on reproduction function or fetal development.

Target Organs: lung damage after inhalation, skin and eye burns, irritation and burns can occur to the entire gastrointestinal tract after ingestion, including stomach and intestines. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Potassium Hydroxide (1310-58-3)

Aquatic Toxicity Rating 2 (TLM96:100-10 ppm)

TLM96 - Gambusia Affinis (Mosquito-fish) 80 ppm

Lethal- Dose (24 hr. exposure):

Trout - 50 ppm

Bluegills - 55 ppm

Lepomis Pall-Idus (minnows) – 28 ppm

Ecotoxicity: Ethylenediaminetetraacetic Acid CAS#64-02-8

mortality NOEC - Lepomis macrochirus - 115 mg/l - 96 h

LC50 - Lepomis macrochirus - 1,030 mg/l - 96 h

mortality EC50 - Daphnia magna (Water flea) - 610 mg/l - 24 h

Section 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations.

Section 14: TRANSPORT INFORMATION

Not regulated as a dangerous good.

Section 15: REGULATORY INFORMATION

TSCA Inventory This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

SARA 302/304 The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to Subparts 302 and 304 to submit emergency planning and notification information based on Threshold Planning Quantities (TPQs) and Reportable Quantities (RQs) for "Extremely Hazardous Substances" listed in 40 CFR 302.4 and 40 CFR 355. No components were identified.

SARA 313: No components were identified.

CERCLA The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center concerning release of quantities of "hazardous substances" equal to or greater than the reportable quantities (RQ's) listed in 40 CFR 302.4. As defined by CERCLA, the term "hazardous substance" does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically designated in 40 CFR 302.4. Chemical substances present in this product or refinery stream that may be subject to this statute are: Potassium Hydroxide 1,000 lbs

SARA 311/312 Hazard The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to this subpart to submit aggregate information on chemicals by "Hazard Category" as defined in 40 CFR 370.2. This material would be classified under the following hazard categories: Acute, Chronic

California Prop 65: No components were identified.

Section 16: OTHER SUPPLEMENTAL INFORMATION

Prepared by: Chemisphere Corp. on 10/27/14

Disclaimer:

The information and recommendations contained in the Safety Data Sheet (SDS) are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date hereof.

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