

Safety Data Sheet

Product: mPulse Hand Sanitizer

SDS No: 16-8499B

SECTION 1 GENERAL INFORMATION

ClearStream Technologies
PO BOX 1508
Harrisburg, NC 28075

Telephone: 704-455-1702
In case of emergency call chemtrec: 1-800-424-9300
Outside of U.S.A.: 001-703-527-3887
Date: 4/18/2016

SECTION 2 HAZARD(S) IDENTIFICATION

GHS - Classification

Eye Damage/Irritation (Category 2B)

Signal Word:

Warning

Hazard Statement(s)

H320 Causes eye irritation

Precautionary Statement(s)

P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/eye protection/protective clothing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes or more. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical attention
P501 Dispose of contents in container in accordance with local/state/federal/international regulations.

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT

CAS#

PERCENTAGE

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

68424-85-1

SPECIFIC CHEMICAL NAME(S) AND CAS NUMBER(S) MAY BE A TRADE SECRET AS ALLOWED BY 29 CFR 1910.1200

SECTION 4 FIRST AID MEASURES

EYES: FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING EYELIDS. GET MEDICAL ATTENTION.
SKIN: WASH EXPOSED AREAS WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
INGESTION: IF VICTIM IS CONSCIOUS AND ABLE TO SWALLOW, QUICKLY HAVE VICTIM DRINK WATER OR MILK TO DILUTE. DO NOT GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS OR IS HAVING CONVULSIONS. INDUCE VOMITING ONLY IF ADVISED TO DO SO BY A PHYSICIAN OR POISON CONTROL CENTER
INHALATION: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: >200F
EXTINGUISHING METHOD: USE WATER, CARBON DIOXIDE, DRY CHEMICAL OR FOAM.
SPECIAL FIRE FIGHTING PROCEDURES: USE SELF-CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE CLOTHING.
UNUSUAL FIRE FIGHTING PROCEDURES: NONE KNOWN.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Ensure adequate ventilation. Keep people away from and upwind of spill/leak.
ENVIRONMENTAL PRECAUTIONS: Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system. Advise water authority if spillage has entered water course or drainage system.

ND = NOT DETERMINED NA = NOT APPLICABLE

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METHODS FOR CLEAN UP: Use mechanical handling equipment. Soak up with inert absorbent material(e.g. sand, silica gel, acid binder, universal binder, sawdust)

SPILL: VENTILATE AREA, PERSONS PERFORMING CLEAN-UP SHOULD WEAR ADEQUATE PROTECTION EQUIPMENT. CONTAIN MATERIAL BY DIKING THE AREA AROUND THE SPILL. IF THE PRODUCT IS IN A SOLID FORM, SHOVEL DIRECTLY INTO RECOVERY DRUMS. IF THE PRODUCT IS A LIQUID, IT SHOULD BE PICKED UP USING A SUITABLE ABSORBANT MATERIAL, THEN SHOVELED TO RECOVERY DRUMS. IF THE MATERIAL IS RELEASED INTO THE ENVIRONMENT, THE USER SHOULD DETERMINE WHETHER THE SPILL SHOULD BE REPORTED TO THE APPROPRIATE LOCAL, STATE AND FEDERAL AUTHORITIES.

SECTION 7 HANDLING AND STORAGE

HANDLING AND STORAGE: MATERIAL SHOULD BE STORED IN ITS OWN CONTAINER AND SHOULD ALWAYS BE KEPT COVERED WHEN NOT IN USE.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

ROUTES OF EXPOSURE: EYES SKIN INGESTION INHALATION

SYMPTOMS OR ACUTE HEALTH HAZARDS

EYES: CAUSES SERIOUS EYE IRRITATION

SKIN: MAY CAUSE IRRITATION.

INGESTION: MAY CAUSE GASTROINTESTINAL TRACT IRRITATION, NAUSEA, VOMITING & DIARRHEA

INHALATION MAY CAUSE IRRITATION OF NOSE, THROAT AND UPPER RESPIRATORY TRACT.

RESPIRATORY PROTECTION: IF NEEDED, USE A NIOSH APPROVED RESPIRATOR.

VENTILATION USE SUFFICIENT MECHANICAL(GENERAL)OR LOCAL EXHAUST.

PROTECTIVE EQUIPMENT: GLOVES FACESHIELD APRON GOGGLES IMPERVIOUS COVERALLS

WORK/ HYGIENIC PRACTICES: AS WITH ALL INDUSTRIAL CHEMICALS, CARE SHOULD BE TAKEN TO AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. HANDS AND UNPROTECTED SKIN SHOULD BE THOROUGHLY WASHED AND CONTAMINATED CLOTHING SHOULD BE CHANGED PRIOR TO ANY DIRECT PERSONAL CONTACT. ALL EXPOSED CLOTHING SHOULD BE LAUNDERED PER NORMAL CARE INSTRUCTIONS BEFORE REUSE

EXPOSURE LIMITS

LIMITS

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

N.D.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PH: 4.0+6.0 AS IS

SOLUBILITY: SOLUBLE IN WATER

SPECIFIC GRAVITY: 0.975-1.025

APPEARANCE: CLEAR COLORLESS LIQUID

Bod: NO DATA

Cod: NO DATA

Odor: MILD

OdorThreshold: NO DATA

MeltingPoint: NO DATA

BoilingPoint: NO DATA

Evaporation Rate: NO DATA

Vapor Pressure: NO DATA

Vapor Density: NO DATA

Auto Ignition Temperature: NA

LEL: NA

UEL: NA

VOC: NO DATA

FlashPoint: >200F

SECTION 10 STABILITY AND REACTIVITY

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

DECOMPOSITION PRODUCTS: CARBON OXIDES

CONDITIONS AND MATERIALS TO AVOID: KEEP AWAY FROM MOISTURE

SECTION 11 TOXICOLOGICAL INFORMATION

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ACUTE TOXICITY: NO DATA
Chronic Toxicity: NO DATA
Carcinogenicity: NONE
Target Organ Effects: NO DATA

This product has not yet been tested. The information is derived from the properties of the individual components.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity: NO DATA
Persistence Degradability: NO DATA
Bioaccumulation: NO DATA
Mobility: NO DATA

This product has not yet been tested. The information is derived from the properties of the individual components.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal of this product should be made in accordance with federal state and local regulations.

SECTION 14 TRANSPORT INFORMATION

TRANSPORTATION: NOT REGULATED BY D.O.T.

SECTION 15 REGULATORY DATA

TITLE III-SARA: THE FOLLOWING DATA IS BEING SUPPLIED IN COMPLIANCE WITH TITLE III SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) PART 313 AND 40 CFR 372
THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS FOUND ON THE SARA LIST IN 40 CFR 372.

CALIFORNIA PROPOSITION 65: CONTAINS NO MATERIALS KNOWN TO BE ON THE CALIFORNIA PROPOSITION 65 LIST.

Listed on the following inventories: TSCA

SECTION 16 OTHER INFORMATION

Large Spill: NA
Fire: NA

DISCLAIMER

THE INFORMATION GIVEN HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING WITH THIS COMPANY OR NOT. THE INFORMATION IS OFFERED SOLELY FOR YOUR CONSIDERATION. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT AND SUITABLE FOR THEIR NEEDS.

End of SDS