



SAFETY DATA SHEET

Preparation Date: Jan 29, 2021

Supersedes Date:

Version Number: 00

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER

Product Name Automatic Dishwashing Detergent
Product ID Number DCT030200

RECOMMENDED USE AND RESTRICTIONS ON USE

Automatic Dishwasher Detergent

COMPANY IDENTIFICATION

Manufacturer Diversified Chemical Technologies, Inc.
15477 Woodrow Wilson, Detroit, MI 48238
(313) 867-5444

EMERGENCY TELEPHONE NUMBER

24 Hour Emergency Phone Number (Health & Safety; Transportation) CHEMTREC - (800) 424-9300

SECTION 2 HAZARDS IDENTIFICATION

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200), Workplace Hazardous Materials Information System (WHMIS) 2015 and NOM-018-STPS-2015 and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

GHS CLASSIFICATION

Product has not been tested to determine its GHS classification. Hazard categories are based on individual ingredient hazard categories.

| Hazard Class | Hazard Category |
|-----------------------------------|-----------------|
| Skin Corrosion/Irritation | 3 |
| Serious Eye Damage/Eye Irritation | 2A |

GHS LABEL ELEMENTS

Pictogram

None

GHS Signal Word

WARNING

GHS Hazard Phrases

Causes mild skin irritation.
Causes eye irritation

GHS Precaution Phrases

Wash hands thoroughly after handling.

GHS Response Phrases

If skin irritation occurs, 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 eye irritation persists, get medical advice/attention.

GHS Storage and Disposal Phrases

No phrases apply.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

| CAS Number | Ingredients* | Percentage Range |
|------------|-------------------------|------------------|
| 7320-34-5 | Potassium pyrophosphate | 20 - 30 |
| 1310-58-3 | Potassium hydroxide | 1 - 5 |

*Identity of other chemicals and/or exact percentage (concentration) has been withheld as a trade secret.

SECTION 4 FIRST AID MEASURES

IN CASE OF INHALATION

Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid.

IN CASE OF SKIN CONTACT

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

IN CASE OF EYE CONTACT

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

IN CASE OF INGESTION

Do NOT induce vomiting. If victim is conscious and alert, rinse mouth and drink 2-4 cups of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been investigated

NOTE TO PHYSICIAN

Treat symptomatically and supportively. It is advisable not to induce vomiting due to the risk of aspiration and it is not usually necessary unless a large amount has been ingested or it has been contaminated with another product.

SECTION 5 FIRE FIGHTING MEASURES

| | |
|--------------------|------|
| Flash Point | None |
| Flash Point Method | PMCC |

| | | |
|---------------------|----------|----------|
| Explosive Limits | LEL: N/D | UEL: N/D |
| Auto Ignition Point | N/D | |

SUITABLE EXTINGUISHING MEDIA

Use water spray, dry chemical, carbon dioxide, or chemical foam.

FIRE FIGHTING INSTRUCTIONS

As in any fire, wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.

FLAMMABLE PROPERTIES AND HAZARDS

No data available

SECTION 6 ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

National Response Center (24-HR Reporting): (800) 424-8802.

SAFETY PRECAUTIONS

Use suitable protective clothing appropriate to spill size and risk of exposure. Refer to Section 8 for further details. Use extreme caution because affected area(s) may be slippery. For industrial use only. Keep out of reach of children.

CONTAINMENT AND CLEANUP

Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions. Absorb spill with inert material and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING

Avoid contact with eyes. Handle with care in full concentration. Wash skin thoroughly after handling.

PRECAUTIONS TO BE TAKEN IN STORAGE

Keep containers closed when not in use. Keep out of children's reach. Do not mix with oxidizing and other incompatible materials.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

| CAS # | Ingredients | OSHA TWA | ACGIH TWA | Other Limits |
|-----------|---------------------|----------|---------------|--------------|
| 1310-58-3 | Potassium hydroxide | N/A | CEIL: 2 mg/m3 | N/A |

ENGINEERING CONTROLS

The level of ventilation necessary will vary depending upon potential exposure conditions. Adequate ventilation should be provided so that exposure limits are not exceeded. If heavy misting is present, local exhaust ventilation should be considered in addition to general mechanical ventilation.

WORK/HYGIENIC/MAINTENANCE PRACTICES

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing separate from home laundry and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping. Do not store work clothing and protective equipment in the same locker as personal clothing.

PERSONAL PROTECTIVE EQUIPMENT

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal use.

| | |
|---------------------------------|----------------------------------------------------------------|
| Protection | No protective equipment is needed under normal use conditions. |
| Hand Protection | No protective equipment is needed under normal use conditions. |
| Eye Protection | No protective equipment is needed under normal use conditions. |
| Skin and Body Protection | No protective equipment is needed under normal use conditions. |

OTHER PROTECTIVE EQUIPMENT None required under normal use conditions.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------|--------------|
| Appearance | Clear Yellow |
| Physical State | Liquid |
| Odor | Mild |
| pH | 12.0 – 12.5 |
| Melting Point | N/A |
| Boiling Point | N/A |

| | |
|---------------------------------------|-------------|
| Specific Gravity (water = 1) | 1.33 - 1.35 |
| Vapor Pressure | N/D |
| Viscosity | N/AV |
| Evaporation Rate (water = 1) | N/D |
| Volatile Organic Compounds (%) | 0 |
| Solubility in Water | Completely |

SECTION 10 STABILITY / REACTIVITY

| | |
|-------------------------------------|-----------------------------------------------------|
| Chemical Stability | <i>Unstable</i> [] <i>Stable</i> [X] |
| Conditions to Avoid | No data available. |
| Reactivity / Incompatibility | Strong oxidizing agents, strong acids |
| Hazardous Decomposition | Material does not decompose at ambient temperature. |
| Hazardous Reactions | <i>Will occur</i> [] <i>Will not occur</i> [X] |

SECTION 11 TOXICOLOGICAL INFORMATION

CARCINOGENICITY

No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.

IARC: Not Listed ACGIH: Not Listed NTP: Not Listed

PRODUCT TOXICOLOGICAL DATA

Product is not tested for classification under the following categories:

LD50 (Oral) , LC50 (Inhalation), Dermal Toxicity (Skin), Skin Corrosion/Irritation, Serious Eye Damage/Irritation, Respiratory/ Skin Sensitization, Germ Cell Mutagenicity, Carcinogenicity, Reproductive Toxicity, STOT-single exposure, STOR-repeated exposure, Aspiration Hazard

INGREDIENT TOXICOLOGICAL DATA

None of the ingredients above 1% concentration (0.1% for carcinogens) trigger the hazard rating or classify under the following categories, unless indicated below:

LC50 (Inhalation), Dermal Toxicity (Skin), Serious Eye Damage/Irritation, Respiratory/ Skin Sensitization, Germ Cell Mutagenicity, Carcinogenicity, Reproductive Toxicity, STOT-single exposure, STOR-repeated exposure, Aspiration Hazard

LD50 (Oral) - CAS# 1310-58-3: Rat, 273.0 mg/kg

Skin Corrosion/Irritation - CAS# 1310-58-3: Standard Draize Test, Human, 50.00 mg, 24 hr

SECTION 12 ECOLOGICAL INFORMATION

| | | | |
|---------------------------------------|-------|--------------------------------------|------|
| General Ecological Information | N/AV. | Persistence and Degradability | N/AV |
| Bioaccumulative Potential | N/AV. | Mobility in Soil | N/AV |

SECTION 13 DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Contact a licensed professional waste disposal service to dispose of this material.

SECTION 14 TRANSPORT INFORMATION

| | LAND (US DOT) | MARINE (IMDG) | AIR (IATA) |
|-----------------------------|--------------------------------------------------------------------------------|---------------|---------------|
| Proper Shipping Name | None Required (Not DOT-Regulated per Corrositex Test No. 15428 dated 06/25/07) | | |
| Hazard Class | Not regulated | Not regulated | Not regulated |
| ID Number | Not regulated | Not regulated | Not regulated |
| Packaging Group | Not regulated | Not regulated | Not regulated |

Additional Information

DOT Quantity Limitation: N/A

DOT Label for Limited Quantities: N/A

SECTION 15

REGULATORY INFORMATION

EPA SARA (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986) LISTS

[302 (EHS) TPQ, 304 RQ, 313 TRI]

None of the ingredients above 1% concentration and 0.1% for carcinogens are identified in the lists, except:

1310-58-3: Potassium hydroxide – 304 RQ 1000 lb

SARA TITLE III SECTION 311/312 CATEGORIZATION (40 CFR 370) – see Section 2 for hazard categories in accordance with EPA’s June 2016 final rule on amendments to hazardous chemical inventory reporting

STATE AND OTHER US EPA REGULATIONS

California Prop. 65 N/AP

NATIONAL INVENTORIES

| | |
|----------------|-----|
| TSCA | Yes |
| CAA HAP, ODC | No |
| CWA NPDES | No |
| CEPA (DSL/NDL) | Yes |
| KECI | N/D |

| | |
|--------|-----|
| AICS | N/D |
| IECSC | N/D |
| EINECS | N/D |
| ENCS | N/D |
| PICCS | N/D |

SECTION 16

OTHER INFORMATION

NFPA RATING Health (Blue): 2 Flammability (Red): 0 Reactivity (Yellow): 0 Specific Hazard(s) (White): None

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS

None

USER RESPONSIBILITY It is the user’s responsibility to determine the suitability and adopt precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of this product.

PREPARED BY

Environmental, Health and Safety Department of Diversified Chemical Technologies, Inc. and Subsidiaries

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