The Cleaning Resource

SAFETY DATA SHEET

1. Identification

Product identifier TAKE DOWN (FRESH AND CLEAN)

Other means of identification

SDS number 579N-95A Product code HIL00468

Recommended use Enzymatic Cleaner / Deodorizer

Recommended restrictions For Labeled Use Only Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name HILLYARD INDUSTRIES **Address** 302 North Fourth St. St. Joseph, MO 64501

Contact person Regulatory Affairs

Telephone number (816) 233-1321 (Ext. 8285)

Fax (816) 383-8485

regulatoryaffairs@hillyard.com E-mail

(800) 424-9300 **Emergency telephone #**

(Only in the event of chemical emergency involving a spill, leak, fire, exposure or

accident involving chemicals)

2. Hazard(s) identification

Not classified. **Physical hazards Health hazards** Not classified. Not classified. **Environmental hazards OSHA** defined hazards Not classified.

Label elements

None. Hazard symbol Signal word None.

Hazard statement Avoid prolonged contact with skin. Avoid contact with open wounds or broken skin.

Precautionary statement

Prevention Wash hands after handling.

First Aid: Inhalation: Move to fresh air. Call a physician if symptoms develop or persist. Skin Response

contact: Wash off with soap and water. Get medical attention if irritation develops and persists. Eye contact: Rinse with water. Get medical attention if irritation develops and persists. Ingestion: Rinse mouth, Get medical attention if symptoms occur, Ingestion; Rinse mouth, Get medical

attention if symptoms occur.

Store away from incompatible materials. Storage

Buyer assumes all risk and liability associated with disposal of this product (original concentration Disposal

or dilution) in violation of applicable law in compliance with applicable federal, state and local requirements. CONTAINER DISPOSAL: Triple rinse (or equivalent), then offer clean, dry

container for recycling or reconditioning.

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information None.

Material name: TAKE DOWN (FRESH AND CLEAN)

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Alcohols, C9-11, ethoxylated		68439-46-3	5 - < 10
Other components below reportable levels		90 - 100	

^{*}Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eve contact Rinse with water. Get medical attention if irritation develops and persists.

Rinse mouth. Get medical attention if symptoms occur. Ingestion Direct contact with eyes may cause temporary irritation. Most important

symptoms/effects, acute and

delayed

Indication of immediate Treat symptomatically.

medical attention and special

treatment needed **General information**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from

the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting

equipment/instructions

Move containers from fire area if you can do so without risk.

Use standard firefighting procedures and consider the hazards of other involved materials. Specific methods

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product

recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to

remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Avoid discharge into drains, water courses or onto the ground. **Environmental precautions**

7. Handling and storage

Precautions for safe handling

Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Do not allow material to freeze. Store away from

incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Biological limit values No biological exposure limits noted for the ingredient(s).

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Appropriate engineering

controls

No special ventilation requirements.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection For prolonged or repeated skin contact use suitable protective gloves.

Other Not normally needed.

Respiratory protectionNo personal respiratory protective equipment normally required.

Thermal hazards None known.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

9. Physical and chemical properties

Appearance Slightly hazy, yellow liquid

Physical state Liquid.
Form Liquid.
Color Slight yellow
Odor Fresh and clean
Odor threshold Not available
pH 6.5 - 8.5

Melting point/freezing point Not applicable / Not available

Initial boiling point and boiling

range

210 °F (98.89 °C)

1.0091 at 77°F

Flash point > 200.0 °F (> 93.3 °C) Tag Closed Cup

Evaporation rate < 1 (ethyl ether = 1) **Flammability (solid, gas)**Not applicable.

Upper/lower flammability or explosive limits
Explosive limit - lower (%) Not available.
Explosive limit - upper (%) Not available.
Vapor pressure 17.72 mm Hg
Vapor density 0.6396 AIR=1

Relative density Solubility(ies)

Solubility (water) 100 % Complete
Partition coefficient Not available

(n-octanol/water)

Auto-ignition temperatureNot availableDecomposition temperatureNot availableViscosityNot available

Other information

Density8.40 lb/galExplosive propertiesNot explosive.Oxidizing propertiesNot oxidizing.Percent volatile88.5 - 89.5 %

VOC 0 %

10. Stability and reactivity

ReactivityThe product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

No dangerous reaction known under conditions of normal use.

reactions

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Conditions to avoid Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition

products

No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact No adverse effects due to skin contact are expected. Eve contact Direct contact with eyes may cause temporary irritation.

Expected to be a low ingestion hazard. Ingestion

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity Not known.

Product Test Results **Species**

TAKE DOWN (FRESH AND CLEAN)

Acute Dermal

LD50 Guinea pig 5371 ml/kg estimated

> Rabbit 849 ml/kg estimated

Inhalation

LC50 Mouse 6288 mg/l, 4 Hours estimated

> Rat 3079 mg/l, 6 Hours estimated

Oral

LD50 Guinea pig 430 g/kg estimated

> Mouse 859 g/kg estimated Rat 1858 g/kg estimated

Prolonged skin contact may cause temporary irritation. Skin corrosion/irritation Serious eye damage/eye Direct contact with eyes may cause temporary irritation.

irritation

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

US. National Toxicology Program (NTP) Report on Carcinogens

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful.

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^{*} Estimates for product may be based on additional component data not shown.

12. Ecological information

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Test Results Components **Species**

Alcohols, C9-11, ethoxylated (CAS 68439-46-3)

Aquatic

EC50 Water flea (Daphnia magna) 2.9 - 8.5 ma/l. 48 hours Crustacea Fish LC50 Fathead minnow (Pimephales promelas) 6 - 12 mg/l, 96 hours

Persistence and degradability

No data is available on the degradability of this product.

Bioaccumulative potential

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not **Disposal instructions**

> contaminate ponds, waterways or ditches with chemical or used container. Buyer assumes all risk and liability associated with disposal of this product (original concentration or dilution) in violation

of applicable law.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste

disposal company. None known.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Waste from normal product use may be sewered to a public owned treatment works (POTW) in compliance with applicable Federal, State, and local pretreatment

requirements.

Since emptied containers may retain product residue, follow label warnings even after container is Contaminated packaging

emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Triple rinse (or equivalent). Then offer clean, dry container for recycling or reconditioning.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and

Not established.

the IBC Code

15. Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

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Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No

Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

No

chemical

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Safe Drinking Water Act

Not regulated.

(SDWA)

US state regulations

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region Inventory name On inventory (yes/no)*

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

 Issue date
 04-02-2015

 Revision date
 10-06-2016

Version # 02

HMIS® ratings Health: 1

Flammability: 0 Physical hazard: 0

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available.

Revision informationThis document has undergone significant changes and should be reviewed in its entirety.

Material name: TAKE DOWN (FRESH AND CLEAN)