

# SAFETY DATA SHEET

# 1. Identification

| Product identifier              | CARPET PRE-SPRAY  |
|---------------------------------|---|
| Other means of identification   |   |
| Product code                    | HIL00814  |
| Recommended use                 | Carpet Cleaner  |
| Recommended restrictions        | None known.   |
| Manufacturer/Importer/Supplier/ | Distributor information   |
| Manufacturer                    |   |
| 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  |
| E-mail                          | regulatoryaffairs@hillyard.com  |
| Emergency telephone #           | (800) 424-9300  |
|                                 | (Only in the event of chemical emergency involving a spill, leak, fire, exposure, or accident involving chemicals.) |

# 2. Hazard(s) identification

| Physical hazards                             | Not classified.   |  |
|--|---|--|
| Health hazards                               | Serious eye damage/eye irritation   | Category 2B  |
| Environmental hazards                        | Not classified.   |  |
| OSHA defined hazards                         | Not classified.   |  |
| Label elements                               |   |  |
| Hazard symbol                                | None.   |  |
| Signal word                                  | None.   |  |
| Hazard statement                             | The mixture does not meet the criteria for clas   | sification.  |
| Precautionary statement                      |   |  |
| Prevention                                   |   | es are suggested where splash of concentrate is a only as directed: Improper dilution can lead to  |
| Response                                     | Wash hands after handling. First Aid: In case of contact, immediately flush eyes with plenty of water for 15 minutes. If eye irritation persists, get medical attention. If inhaled, remove to fresh air. If breathing is difficult, get medical attention. |  |
| Storage                                      | Store away from incompatible materials.   |  |
| Disposal                                     | or dilution) in violation of applicable law. Wast   | l with disposal of this product (original concentration<br>e from normal use may be sewered to a<br>with applicable federal, state and local requirements. |
| Hazard(s) not otherwise<br>classified (HNOC) | None known.   |  |
| Supplemental information                     | None.   |  |

# 3. Composition/information on ingredients

## Mixtures

| Chemical name      | Common name and synonyms | CAS number | %       |
|--------------------|--------------------------|------------|---------|
| Q3 Videt           |                          |            | 5       |
| Sodium Bicarbonate |                          | 144-55-8   | 1 - < 3 |

| Chemical name  | Common name and synonyms   | CAS number                | %                |
|--|--|---------------------------|------------------|
| Sodium Carbonate, Anhydrous  |  | 497-19-8                  | 1 - < 3          |
| Sodium tetraborate decahydrat  | e  | 1303-96-4                 | 1 - < 3          |
| Other components below repor   | table levels   |                           | 80 - < 90        |
| *Designates that a specific chemic   | al identity and/or percentage of composition has be                                      | een withheld as a trade s | ecret.           |
| 4. First-aid measures  |  |                           |                  |
| Inhalation   | Move to fresh air. Call a physician if symptoms d  | evelop or persist.        |                  |
| Skin 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.                                    |                           |                  |
| Most important<br>symptoms/effects, acute and<br>delayed                     | Direct contact with eyes may cause temporary in  | ritation.                 |                  |
| Indication of immediate<br>medical attention and special<br>treatment needed | Treat symptomatically.   |                           |                  |
| General information  | Ensure that medical personnel are aware of the protect themselves.                       | material(s) involved, and | take precautions |
| 5. Fire-fighting measures  |  |                           |                  |
| Suitable extinguishing media   | Water fog. Foam. Dry chemical powder. Carbon   | dioxide (CO2).            |                  |
| Unsuitable extinguishing   | Do not use water let as an extinguisher, as this v                                       | vill spread the fire      |                  |

| Suitable extinguishing media                                  | water log. Foam. Dry chemical powder. Carbon dioxide (CO2).                                   |
|---|---|
| Unsuitable extinguishing media                                | 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<br>equipment/instructions                       | Move containers from fire area if you can do so without risk.                                 |
| Specific methods  | Use standard firefighting procedures and consider the hazards of other involved materials.    |
| General fire hazards  | No unusual fire or explosion hazards noted.   |
|   |   |

# 6. Accidental release measures

| Personal precautions,<br>protective equipment and<br>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 mater possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry 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.                                       |
| Environmental precautions   | 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. |
| 7. Handling and storage<br>Precautions for safe handling  | Avoid prolonged exposure. Observe good industrial hygiene practices.   |

Conditions for safe storage, including any incompatibilities

Avoid prolonged exposure. Observe good industrial hygiene practices. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

# 8. Exposure controls/personal protection

# Occupational exposure limits

# US. ACGIH Threshold Limit Values

| US. ACGIH Threshold Limit<br>Components                | Values<br>Type  | Value                                 | Form                |
|--|---|---------------------------------------|---------------------|
| Sodium tetraborate<br>decahydrate (CAS<br>1303-96-4)   | STEL  | 6 mg/m3                               | Inhalable fraction. |
| ,  | TWA   | 2 mg/m3                               | Inhalable fraction. |
| US. NIOSH: Pocket Guide to                             |   |                                       |                     |
| Components   | Туре  | Value                                 |                     |
| Sodium tetraborate<br>decahydrate (CAS<br>1303-96-4)   | TWA   | 5 mg/m3                               |                     |
| Biological limit values                                | No biological exposure limits noted for   | or the ingredient(s).                 |                     |
| Appropriate engineering controls                       | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |                                       |                     |
| Individual protection measures,<br>Eye/face protection | such as personal protective equipm<br>Where splashing of concentrate is a   |                                       | es with side shield |
| Skin protection  |   |                                       |                     |
| Hand protection  | Not normally needed.  |                                       |                     |
| Other  | Not normally needed.  | · · · · · · · · · · · · · · · · · · · |                     |
| Respiratory protection                                 | No personal respiratory protective ec   | quipment normally required.           |                     |
| Thermal hazards  | None known.   |                                       |                     |
| General hygiene<br>considerations                      | Always observe good personal hygie<br>and before eating, drinking, and/or si<br>equipment to remove contaminants.   |                                       |                     |
| 9. Physical and chemical                               | properties  |                                       |                     |
| Appearance   | Clear, colorless liquid   |                                       |                     |
| Physical state   | Liquid.   |                                       |                     |
| Form   | ·   |                                       |                     |
| Color  | Colorless   |                                       |                     |
| Odor   | non-objectionable odor. No fragrance  | e added.                              |                     |
|  | Defor threshold Not available   |                                       |                     |
| рН   | 9 - 10 Concentrate<br>9 - 10 1:20 Dilution  |                                       |                     |
| Melting point/freezing point                           | Not available   |                                       |                     |
| Initial boiling point and boiling range                | 204 °F (95.56 °C)   |                                       |                     |
| Flash point  | > 200.0 °F (> 93.3 °C) Tag Closed C   | ир                                    |                     |
| Evaporation rate                                       | < 1 (ethyl ether = 1)   |                                       |                     |
| Flammability (solid, gas)                              | Not available.  |                                       |                     |
| Upper/lower flammability or exp                        | losive limits   |                                       |                     |
| Explosive limit - lower (%)                            | Not available.  |                                       |                     |
| Explosive limit - upper (%)                            | Not available.  |                                       |                     |
| Vapor pressure   | 17.54 mm Hg   |                                       |                     |
| Vapor density  | 0.622 Air=1   |                                       |                     |
| Relative density                                       | 1.066 at 77°F   |                                       |                     |
| Solubility(ies)  |   |                                       |                     |
| Solubility (water)                                     | Complete  |                                       |                     |
| Partition coefficient<br>(n-octanol/water)             | Not available   |                                       |                     |

| Not available |
|---------------|
| Not available |
| Not available |
|               |
| 8.88 lb/gal   |
| 86 - 87 %     |
| 0 %           |
|               |

# 10. Stability and reactivity

| Reactivity                            | The 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<br>reactions | No dangerous reaction known under conditions of normal use.                                   |
| Conditions to avoid                   | Avoid temperatures exceeding the flash point. Contact with incompatible materials.            |
| Incompatible materials                | Strong oxidizing agents.  |
| Hazardous decomposition<br>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.     |
| Eye contact  | Direct contact with eyes may cause temporary irritation. |
| Ingestion  | Expected to be a low ingestion hazard.                   |
| Symptoms related to the<br>physical, chemical and<br>toxicological characteristics | Direct contact with eyes may cause temporary irritation. |

# Information on toxicological effects

Acute toxicity

| Product   | Species  | Test Results                    |
|---|--|---------------------------------|
| CARPET PRE-SPRAY  |  |                                 |
| Acute   |  |                                 |
| Inhalation  |  |                                 |
| LC50  | Guinea pig   | 29.6296 mg/l, 2 Hours estimated |
|   | Mouse  | 44.4444 mg/l, 2 Hours estimated |
|   | Rat  | 85.1852 mg/l, 2 Hours estimated |
| Oral  |  |                                 |
| LD50  | Rat  | 23788.916 mg/kg estimated       |
| * Estimates for product may b   | e based on additional component data not shown.  |                                 |
| Skin corrosion/irritation   | Prolonged skin contact may cause temporary irritation.   |                                 |
| Serious eye damage/eye irritation   | Direct contact with eyes may cause temporary irritation.   |                                 |
| Respiratory or skin sensitization   | n  |                                 |
| <b>Respiratory sensitization</b>  | 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.                                  |                                 |
| US. OSHA Specifically Reg   | ulated Substances (29 CFR 1910.1001-1050)  |                                 |
| Not listed.   |  |                                 |
| <b>Reproductive toxicity</b> This product is not expected to cause reproductive or developmental effects. |  | or developmental effects.       |

| Specific target organ toxicity - single exposure      | Not classified.                      |
|---|--------------------------------------|
| Specific target organ toxicity -<br>repeated exposure | Not classified.                      |
| Aspiration hazard                                     | Prolonged inhalation may be harmful. |
| Chronic effects                                       | Prolonged inhalation may be harmful. |

# 12. Ecological information

| Ecoto | xicity |
|-------|--------|
|-------|--------|

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.

| Product          |      | Species | Test Results                        |
|------------------|------|---------|-------------------------------------|
| CARPET PRE-SPRAY |      |         |                                     |
| Aquatic          |      |         |                                     |
| Crustacea        | EC50 | Daphnia | 5790.2251 mg/l, 48 hours estimated  |
| Fish             | LC50 | Fish    | 23097.5332 mg/l, 96 hours estimated |

\* Estimates for product may be based on additional component data not shown.

| Persistence and degradability | No data is available on the degradability of this product.  |
|-------------------------------|---|
| Bioaccumulative potential     | No data available.  |
| 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

| Disposal instructions                    | This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Review federal, state/provincial, and local government requirements prior to disposal. |
|--|--|
| 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.   |
| Waste from residues / unused<br>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).   |
| Contaminated packaging                   | Triple rinse (or equivalent). Then offer clean, dry container for recycling or reconditioning.   |

# 14. Transport information

#### DOT

Not regulated as dangerous goods.

## 15. Regulatory information

| US federal | regulations |
|------------|-------------|
|------------|-------------|

All components are on the U.S. EPA TSCA Inventory List. This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### 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 listed.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories

Immediate Hazard - Yes 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 Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed.

#### US. Massachusetts RTK - Substance List

Sodium tetraborate decahydrate (CAS 1303-96-4)

US. New Jersey Worker and Community Right-to-Know Act Not listed.

#### US. Pennsylvania Worker and Community Right-to-Know Law

Sodium tetraborate decahydrate (CAS 1303-96-4)

US. Rhode Island RTK

Not regulated.

#### **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

United States & Puerto Rico

Inventory name Toxic Substances Control Act (TSCA) Inventory On inventory (yes/no)\*

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          | 03-11-2015  |
|---------------------|---|
| Version #           | 01  |
| Further information | This product meets Green Seal <sup>™</sup> Standard GS-37 based on effective performance, concentrated volume, minimized/recycled packaging, and protective limits on VOCs and human & environmental toxicity. GreenSeal.org.   |
| HMIS® ratings       | Health: 1<br>Flammability: 0<br>Physical hazard: 0  |
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