

# 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 e from normal use may be sewered to a with applicable federal, state and local requirements.
Hazard(s) not otherwise 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 symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary in	ritation.	
Indication of immediate medical attention and special 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 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, 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 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 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 Components	Values Type	Value	Form
Sodium tetraborate decahydrate (CAS 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 decahydrate (CAS 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, Eye/face protection	such as personal protective equipm 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 considerations	Always observe good personal hygie and before eating, drinking, and/or si 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 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 (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 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 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 physical, chemical and 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 - repeated exposure	Not classified.
Aspiration hazard	Prolonged inhalation may be harmful.
Chronic effects	Prolonged inhalation may be harmful.

# 12. Ecological information

Ecoto	xicity
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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 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
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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 Flammability: 0 Physical hazard: 0
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