

Sunbrella® Restore™ Fabric Protector & Repellent



Safety Data Sheet

According to Federal Register / Vol. 77, No 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 01/25/2023

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Supercedes: 01/23/2024

Version 1.1

Section 1: Identification

1.1 Identification

Product form	Mixture
Trade name	Sunbrella Restore Fabric Protector & Repellent
Synonym	0700474
Part numbers	GRN_RESTORE_16, GRN_RESTORE_32

1.2 Recommended use and restrictions on use

Recommended use	Read label before use.
Restrictions on use	Use per the label directions

1.3 Supplier

Distributor	Glen Raven Consumer Solutions, LLC Corporate Office 1831 North Park Avenue Burlington, North Carolina, 27127 USA T: 336-227-6211 www.sunbrella.com
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1.4 Emergency telephone number

Emergency number	INFOTrac: 1-800-535-5053
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Section 2: Hazard(s) identification

2.1 Classification of the substance or mixture

GHS US classification

Flammable liquids Category 3	H226	Flammable liquid and vapor
Aspiration hazard Category 1	H304	May be fatal if swallowed and enters airways



Full text of H statements : see section 16

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2.2 GHS Label elements, including precautionary statements		
GHS US labeling		
Hazard pictograms (GHS US)	 	
Signal word (GHS US)	Danger	
Hazard statements (GHS US)	H226	Flammable liquid and vapor
	H304	May be fatal if swallowed and enters airways
Precautionary statements (GHS US)		
Prevention	P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking.
	P233	Keep container tightly closed.
	P240	Ground/Bond container and receiving equipment.
	P241	Use explosion-proof electrical/ventilating/lighting equipment.
	P242	Use only non-sparking tools.
	P243	Take precautionary measures against static discharge.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
Response	P301 & P310	If swallowed: Immediately call a poison center or doctor.
	P303 & P361 & P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P331	Do NOT induce vomiting.
	P370 & P378	In case of fire: Use media other than water to extinguish.

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Precautionary statements (GHS US)			
Storage	P403 + P235	Store in a well-ventilated place. Keep cool.	
	P405	Store locked up.	
Disposal	P501	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.	
2.3. Other hazards which do not result in classification			
No additional information available			
2.4. Unknown acute toxicity (GHS US)			
Not applicable.			
Section 3: Composition/information on ingredients			
3.1. Substances			
Not applicable.			
3.2. Mixtures			
Name	Product identifier	%	GHS US classification
Distillates (petroleum), hydrotreated light	CAS-No.: 64742-47-8	70 – 90	Flam. Liq. 3, H226 Asp. Tox. 1, H304
Hydrotreated heavy naphtha	CAS-No.: 64742-48-9	0 – 12	Asp. Tox. 1, H304

Full text of hazard classes and H-statements: see section 16

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Section 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	Call a physician immediately.
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing.
First-aid measure after skin contact	Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.
First-aid measures after eye contact	Rinse eyes with water as a precaution.
First-aid measures after ingestion	Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after ingestion	Risk of lung edema.
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4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

Section 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide.
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5.2. Specific hazards arising from the chemical

Fire hazard	Flammable liquid and vapor.
Hazardous decomposition products in case of fire	Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Emergency procedures

Ventilate spillage area. No open flames, no sparks, and no smoking.

6.1.1. For emergency responders
Protective equipment

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information

Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

Section 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment.

Hygiene measures

Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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7.2. Conditions for safe storage, including any incompatibilities	
Technical measures	Ground/bond container and receiving equipment.
Storage conditions	Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
Section 8: Exposure controls/personal protection	
8.1. Control parameters	
Sunbrella Restore Fabric Protector & Repellent	No additional information available
Hydrotreated heavy naphtha (64742-48-9)	No additional information available
Distillates (petroleum), hydrotreated light (64742-47-8)	No additional information available
8.2. Appropriate engineering controls	
Appropriate engineering controls	Ensure good ventilation of the work station.
Environmental exposure controls	Avoid release to the environment.
8.3. Individual protection measures/Personal protective equipment	
Hand protection:	Protective gloves
Eye protection:	Safety glasses
Skin and body protection:	Wear suitable protective clothing
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment
Personal protective equipment symbol(s):	

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Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Color	Colorless
Odor	Mixture contains one or more component(s) which have the following odour
Odor threshold	No data available
pH	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	> 150°C
Flash point	≥ 122°F
Relative evaporation rate (butyl acetate=1)	No data available
Relative evaporation rate (ether=1)	< 0.1
Flammability (solid, gas)	Not applicable.
Vapor pressure	0.5 mm Hg
Relative vapor density at 20°C	5.3
Relative density	0.85
Density	7.8 lb/gal
Solubility	Water: < 0.1%
Partition coefficient n-octanol/water (Log Pow)	No data available
Auto-ignition temperature	No data available

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Decomposition temperature	No data available
Viscosity, kinematic	3 mm ² /s (40° C)
Viscosity, dynamic	No data available
Explosion limits	Lower explosion limit: 0.6 g/m ³ ; Upper explosion limit: 5.5 g/m ³
Explosive properties	No data available
Oxidizing properties	No data available
9.2. Other information	
VOC content	100 VOC Exempt solvents

Section 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapor.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	May be fatal if swallowed and enters airways.
Viscosity, kinematic	3 mm ² /s (40°C)
Symptoms/effects after ingestion	Risk of lung edema.

Section 12: Ecological information

12.1. Toxicity

Ecology - general	The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
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12.2. Persistence and degradability

No additional information available	
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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

No additional information available.

Section 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
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Additional information	Flammable vapors may accumulate in the container.
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Section 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

DOT NA No	UN1268
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UN-No. (TDG)	UN1268
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UN-No. (IMDG)	1268
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UN-No. (IATA)	1268
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14.2. UN proper shipping name

Proper Shipping Name (DOT)	Petroleum products, n.o.s
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Proper Shipping Name (TDG)	Hydrocarbons, Liquid, n.o.s.
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Proper Shipping Name (IMDG)	PETROLEUM DISTILLATES, N.O.S.
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Proper Shipping Name (IATA)	Petroleum distillates, n.o.s.
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14.3. Transport hazard class(es)		
DOT		
Transport hazard class(es) (DOT)	LTD QTY	
Hazard labels (DOT)	LTD QTY	
TDG		
Transport hazard class(es) (TDG)	3	
IMDG		
Transport hazard class(es) (IMDG)	3	
Hazard labels (IMDG)	3	
IATA		
Transport hazard class(es) (IATA)	3	
Hazard labels (IATA)	3	
14.4. Packing group		
Packing group (DOT)	III	
Packing group (TDG)	III	
Packing group (IMDG)	III	
Packing group (IATA)	III	
14.5. Environmental hazards		
Other information	No supplementary information available.	

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14.6. Special precautions for user	
DOT	
UN-No.(DOT)	UN1268
DOT Special Provisions (49 CFR 172.102)	<p>144 - If transported as a residue in an underground storage tank (UST), as defined in 40 CFR 280.12, that has been cleaned and purged or rendered inert according to the American Petroleum Institute (API) Standard 1604 (IBR, see 171.7 of this subchapter), then the tank and this material are not subject to any other requirements of this subchapter. However, sediments remaining in the tank that meet the definition for a hazardous material are subject to the applicable regulations of this subchapter.</p> <p>B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.</p> <p>IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).</p> <p>T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)</p> <p>TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees Celsius of the liquid during filling.</p> <p>TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.</p>
DOT Packaging Exceptions (49 CFR 173.xxx)	150
DOT Packaging Non Bulk (49 CFR 173.xxx)	203
DOT Packaging Bulk (49 CFR 173.xxx)	242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	220 L
DOT Vessel Stowage Location	A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

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TDG	
UN-No. (TDG)	UN1268
Emergency Response Guide (ERG) Number	128
IMDG	
Special provision (IMDG)	223, 955
Limited quantities (IMDG)	5 L
Excepted quantities (IMDG)	E1
Packing instructions (IMDG)	P001, LP01
IBC packing instructions (IMDG)	IBC03
Tank instructions (IMDG)	T4
Tank special provisions (IMDG)	TP1, TP29
EmS-No. (Fire)	F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER
Stowage category (IMDG)	A
Properties and observations (IMDG)	Immiscible with water.

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IATA	
PCA Excepted quantities (IATA)	E1
PCA Limited quantities (IATA)	Y344
PCA limited quantity max net quantity (IATA)	10L
PCA packing instructions (IATA)	355
PCA max net quantity (IATA)	60L
CAO packing instructions (IATA)	366
CAO max net quantity (IATA)	220L
Special provision (IATA)	A3
ERG code (IATA)	3L
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	
Not applicable	

Section 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Hydrotreated heavy naphtha	64742-48-9	Not present	-	
Distillates (petroleum), hydrotreated light	64742-47-8	Present	Active	

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15.2. International regulations			
CANADA		Listed on the Canadian DSL (Domestic Substances List)	
Distillates (petroleum), hydrotreated light (64742-47-8)			
EU-Regulations		No additional information available	
National regulations		Listed on INSQ (Mexican National Inventory of Chemical Substances)	
Distillates (petroleum), hydrotreated light (64742-47-8)			
15.3. US State regulations			
California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm			
Section 16: Other information			
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations			
Revision date: 11/07/2022			
Full text of H-phrases			
H226		Flammable liquid and vapor	
H304		May be fatal if swallowed and enters airways	
Indication of changes:			
Section	Changed item	Change	Comments
	Supersedes	Added	
	Revision date	Added	

Sunbrella® is a registered trademark of Glen Raven, Inc.

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.