

Safety Data Sheet
Ultimate Stain Repellent
01/01/2017

1. Identification

Product identifier

Trade name: Ultimate Stain Repellent

Recommended use of the chemical and restrictions on use

Relevant applications identified	For industrial use
Function	Hydro- and oleophobic agent
Company	Charger Corporation 299 Welton Street Hamden, CT 06517
Telephone	203-562-9948 800-922-4623
Telefax	203-562-2053

2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation 29CFR 1910.1200

Remarks Not a hazardous substance or mixture.



2.2. Label elements

Statutory basis Classification according to Regulation 29CFR 1910.1200
Remarks Not a hazardous substance or mixture.

2.3. Other hazards

None known.

3. Composition/information on ingredients

Chemical nature

Preparation on the base:
Organofunctional silane system
and
water

• Ethanol >= 1% - < 5%	
CAS-No. 64-17-5	
Flammable liquids	Category 2
• Methanol >= 0.1% - < 1%	
CAS-No. 67-56-1	
Flammable liquids	Category 2
Acute toxicity (Oral)	Category 3
Acute toxicity (Inhalation)	Category 3
Acute toxicity (Dermal)	Category 3
Specific target organ toxicity - single exposure	Category 1

4. First aid measures

4.1. Description of first aid measures

Inhalation

If aerosol or mists are inhaled, take affected persons out into the fresh air. In case of persistent discomfort or other symptoms, consult a physician immediately.

Skin contact

Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Obtain medical attention immediately if symptoms occur. Wash clothing before reuse.

Eye contact

In case of contact, immediately flush eyes with plenty of water. Obtain medical attention if irritation develops.

Ingestion

If accidentally swallowed, rinse mouth thoroughly with water and afterwards, drink plenty of water. In case of discomfort, obtain medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms

None known

4.3. Indication of any immediate medical attention and special treatment needed

After absorbing large amounts of substance:
administration of activated charcoal.

Acceleration of gastrointestinal passage

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Use water spray or fog, foam, dry chemical or CO₂.

Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture

Standard procedure for chemical fires.

5.3. Advice for firefighters

Water used to extinguish fire should not enter drainage systems, soil or stretches of water.

Ensure there are sufficient retaining facilities for water used to extinguish fire.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Containers can build up pressure if exposed to heat (fire). Cool with water spray. As in any fire, wear self-contained, pressure-demand breathing apparatus (MSHA-NIOSH approved or equivalent) and full protective gear.

As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

6.2. Environmental precautions

Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

6.3. Methods and material for containment and cleaning up

Ventilate area. Absorb spill with inert material and place in a chemical waste container.

Additional advice

Remove sources of ignition and ventilate area.

7. Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Avoid breathing vapor or mist. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Advice on protection against fire and explosion

Take precautionary measures against static charges, keep away from sources of ignition.

Storage

Keep containers tightly closed in a cool, well-ventilated place.

Further information

Keep tightly sealed in original packing.

Protect from frost.

8. Exposure controls/personal protection

8.1. Control parameters

• Methanol		
CAS-No.	67-56-1	
Control parameters	200 ppm	Time Weighted Average (TWA):(ACGIH)
Control parameters	250 ppm	Short Term Exposure Limit (STEL):(ACGIH)
Control parameters		Skin designation:(ACGIH)
	Can be absorbed through the skin.	
Control parameters	200 ppm 260 mg/m ³	Permissible exposure limit:(OSHA Z1)
Control parameters	200 ppm 260 mg/m ³	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):(US CA OEL)
Control parameters	1000 ppm	Ceiling Limit Value:(US CA OEL)
Control parameters	250 ppm 325 mg/m ³	Short Term Exposure Limit (STEL):(US CA OEL)
Control parameters		Skin designation:(US CA OEL)
	Can be absorbed through the skin.	
Control parameters	200 ppm 260 mg/m ³	Time Weighted Average (TWA):(TN OEL)
Control parameters	250 ppm 325 mg/m ³	Short Term Exposure Limit (STEL):(TN OEL)
Control parameters		Skin designation:(TN OEL)
	Can be absorbed through the skin.	
• Ethanol		
CAS-No.	64-17-5	
Control parameters	1000 ppm 1900 mg/m ³	Permissible exposure limit:(OSHA Z1)
Control parameters	1000 ppm 1900 mg/m ³	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):(US CA OEL)
Control parameters	1000 ppm	Short Term Exposure Limit (STEL):(ACGIH)
Control parameters	1000 ppm 1900 mg/m ³	Time Weighted Average (TWA):(TN OEL)

8.2. Exposure controls

Engineering measures

Provide for good ventilation if vapors/aerosols are formed.

Personal protective equipment

Respiratory protection

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Hand protection

Glove material for example, butyl-rubber
Material thickness 0.5 mm
Break through time ≥ 480 min
Glove material for example, Fluorinated rubber (Viton)
Material thickness 0.4 mm

Break through time ≥ 480 min

The above mentioned hand protection is based on knowledge of the chemistry and anticipated uses of this product but it may not be appropriate for all workplaces. A hazard assessment should be conducted prior to use to ensure suitability of gloves for specific work environments and processes prior to use.

Selection of protective gloves to meet the requirements of specific workplaces.

Suitability for specific workplaces should be clarified with protective glove manufacturers.

Use impermeable gloves.

Eye protection

Use chemical splash goggles or face shield.

Skin and body protection

A safety shower and eye wash fountain should be readily available.

To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

Hygiene measures

Avoid contact with skin, eyes and clothing. Do not inhale vapors or aerosols. Do not eat, drink, or smoke when using the product. Remove contaminated or saturated clothing.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

physical state	liquid		
Colour	yellowish orange slightly turbid		
Form	liquid		
Odour	almost odorless		
Odour Threshold	not determined		
pH	ca. 4	(1000 g/l)	(20 °C)
Melting point/range	-1 °C		
	Method:	ISO 3841	
Boiling point/range	97 °C	(1013 hPa)	
	Method:	ASTM D-1120	
Flash point	> 95 °C		
	Method:	DIN EN ISO 2719 (Pensky-Martens, Closed Cup)	
Evaporation rate	not determined		
Water solubility	miscible		

9.2. Other information

Explosiveness	no data available
Surface tension	30.4 mN/m (20 °C) Method: OECD 115
Other information	Vapors can form explosive mixtures with air.

10. Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No dangerous reactions known.

10.4. Conditions to avoid

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

None known

Stable under normal conditions.

Product will not undergo hazardous polymerization.

11. Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity	LD50 Rat: > 2000 mg/kg Method: OECD 423 Assessment: The substance or mixture has no acute oral toxicity
Acute inhalation toxicity	LC50 Rat: > 5.5 mg/l / 4 h / dust/mist Method: OECD Test Guideline 403 Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	No data available
Skin irritation	Rabbit No skin irritation Method: OECD Test Guideline 404
Eye irritation	Rabbit No eye irritation Method: OECD Test Guideline 405
Sensitization	(Magnusson-Kligman test) Guinea pig: Does not cause skin sensitisation. Method: OECD Test Guideline 406
Repeated dose toxicity	inhalative Rat Testing period: 90 d No toxicological effects relevant to classification

Assessment of STOT single exposure	Assessment	The substance or mixture is not classified as specific target organ toxicant, single exposure.
Assessment of STOT repeat exposure	Assessment	The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Risk of aspiration toxicity		No evidence of aspiration toxicity
Genotoxicity in vitro	Ames test Salmonella typhimurium Method: OECD TG 471	no evidence of mutagenic effects
Carcinogenicity		No evidence that cancer may be caused.
carcinogenicity assessment		Contains no carcinogenic substances as defined by NTP, IARC and/or OSHA.
Toxicity to reproduction		No data available

12. Ecological information

12.1. Toxicity

Toxicity to fish	LC50 Brachydanio rerio: > 1000 mg/l / 96 h Method: OECD TG 203
	LC0 Brachydanio rerio: >= 1000 mg/l / 96 h Method: OECD TG 203

12.2. Persistence and degradability

Biodegradability	Exposure time: 28 d Result: 62 % Readily biodegradable. Method: (CO2; modif. Sturm test / OECD 301 B)
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12.3. Bioaccumulative potential

Bioaccumulation	low
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12.4. Mobility in soil

Mobility	Adsorption on the floor: low.
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12.5. Other adverse effects

Further Information	The data we have at our disposal do not necessitate identification concerning environmental hazard.
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13. Disposal considerations

13.1. Waste treatment methods

Product

Waste must be disposed of in accordance with federal, provincial, state and local regulations. Empty containers must be handled with care due to product residue. DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH AN ELECTRIC OR GAS TORCH.

Uncleaned packaging

Packaging, that can not be reused after cleaning must be disposed or recycled in accordance with all federal, national and local regulations.

Incorrect disposal or reuse of this container is illegal and can be dangerous.

Other countries: observe the national regulations.

14. Transport information**Not dangerous according to transport regulations.**

- | | |
|---|-----|
| 14.1. UN number: | — |
| 14.2. UN proper shipping name: | — |
| 14.3. Transport hazard class(es): | — |
| 14.4. Packing group: | — |
| 14.5. Environmental hazards (Marine pollutant): | — |
| 14.6. Special precautions for user: | Yes |
- Not dangerous according to transport regulations.

15. Regulatory information**US Federal Regulations****OSHA**

If listed below, chemical specific standards apply to the product or components:

None listed

SARA Title III Section 311/312 Hazard Categories

The product meets the criteria only for the listed hazard classes:

- Acute Health Hazard
- Chronic Health Hazard

SARA Title III Section 313 Reportable Substances

If listed below, components are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

- None listed
- | | |
|-------------------|---|
| Physical Hazard : | 0 |
|-------------------|---|

NFPA Ratings

Health :	1
Flammability :	1
Reactivity :	0

16. Other information

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes.