



SAFETY DATA SHEET

1. Product and Company Identification

Product Name	DEFOAM
Product Number	3AE
Product Type	Mixture
Product Use	Defoamer for use in carpet & upholstery cleaning.
Manufacturer	CFR, A Division of Tacony Corporation 3101 Wichita Court Fort Worth, TX 76140-1710
Company Contact	1-800-533-2557 or website www.cfrcorp.com
Emergency Telephone Number	1-800-270-5201

2. Hazards Identification

GHS Classification in accordance with 29CFR 1910 OSHA HCS

Reproductive toxicity (Category 2) H361

Hazardous to the aquatic environment-long term chronic hazard (Category 4) H413

GHS Label elements, including precautionary statements

Pictogram None required

Signal Word Warning

Hazard Statements

H361 Suspected of damaging fertility or the unborn child

H413 May cause long lasting harmful effects to aquatic life.

Precautionary Statements

Prevention

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P273 Avoid release to the environment.

P280 Wear protective gloves, eye protection/face protection

Response

P308+P313 If exposed, or concerned, call a POISON CENTER/doctor

Storage/Disposal

P405 Store locked up.

P501 Dispose of contents/container in accordance with local, regional and federal regulations

3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.

Hazardous Components	CAS#	Classification	%
Octamethylcyclotetrasiloxane	556-67-2	H226, H361, H413	<0.5%



4. First Aid Measures

Description of First Aid Procedures

In case of Eye Contact

Flush with cool running water for 15 minutes. If irritation persists, get medical attention.

In case of Skin Contact

Flush with cool water, Wash with soap and water. If irritation persists, get medical Attention.

If Inhaled

If symptoms develop, move to fresh air. If symptoms persist, get medical attention

If Ingested

Rinse mouth with water. Drink one or two glasses of water. **Do not induce vomiting.** Obtain medical attention. Never give anything by mouth to an unconscious person.

.Notes to Physician

Symptoms may be delayed.

General advice

Seek medical attention if feeling unwell. Show the SDS to the physician in attendance.

5. Fire-fighting Measures

Flammable properties

Not flammable

Extinguishing media

Treat for surrounding material.

Protection of firefighters

Firefighters should wear protective clothing including self contained breathing apparatus

Hazardous combustion products

May include and not limited to oxides of carbon, ammonia and hydrogen chloride.

Unusual Fire, Explosion hazards

None known.

6. Accidental Release Measures

Personal precautions

Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing. Stay upwind of spills or leaks.

Methods for containment

Stop leak if you can do so without risk. Prevent entry into waterways, sewers.

Methods for cleaning up

Before attempting clean up refer to hazard data given above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or water ways. Dike spill. Absorb spill with non reactive absorbent and place in a suitable, covered, labeled container for disposal. Never return spill to original container for reuse.

Environmental Precautions

Avoid release to the environment.

7. Handling and Storage

Precautions for Safe Handling

Use good industrial hygiene practices when handling this material

Conditions for Safe Storage

Keep out of reach of children. Keep from freezing, store in a cool dry place away from incompatible materials.

8. Exposure Controls and Personal Protection

Exposure limits

Ingredients:

Octamethylcyclotetrasiloxane

CAS-No

556-67-2

OSHA PEL

Not available

ACGIH TLV

Not available.

**Engineering controls**

General ventilation normally adequate

Personal protective equipment**Eye/Face protection**

Wear safety glasses with side shields if splash conditions exist.

Hand protection

Rubber or nitrile gloves.

Skin and body

As required by employer code.

Respiratory protection

Use a NIOSH approved respirator when exposure guidelines are exceeded.

General hygiene considerations

Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Information on basic physical and chemical properties**Appearance/form**

Emulsion

Color

Light blue

Odor

Odorless

Odor threshold

Not established

pH

6-8 (Concentrate)

Melting point/freezing point

Not established

Initial Boiling point

> 212° F. (100° C.)

Flash point

> 200° F. (93° C.) Estimated.

Evaporation rate

Not established

Flammability

Not flammable

Upper/lower flammability or

Not established

Explosive limits**Vapor pressure**

Not established

Vapor density

Not established

Specific gravity/density

0.98-1.01

Solubility in water

Dispersible

Partition coefficient:

Not established

Auto ignition temperature

Not established

Decomposition temperature

Not established

Stability and Reactivity

Stable and non reactive under normal use and storage conditions.

VOC

< 1%

% Volatile

Approx. 97%

Other safety Information

10. Stability and Reactivity

Reactivity

Not reactive under normal use and storage.

Chemical Stability

Stable under normal storage conditions.

Hazardous reactions

None known.

Conditions to avoid

Do not mix with other chemicals.

Incompatible materials

Strong acids and caustic materials.

Hazardous decomposition products

May include but not limited to oxides of carbon, nitrogen.

Hazardous polymerization

Will not occur.

11. Toxicological Information

Ingredients**LC50**

Octamethylcyclotetrasiloxane

36,000 mg/m³ rat 4 hours**Ingredients****LD50**

Octmethylcyclotetrasiloxane

>2,000 mg/kg (Oral-rat), > 4,640 mg/kg (Dermal- rabbit)

**Effects of acute exposure**

Eye	None expected.
Skin	None expected.
Inhalation	None expected
Ingestion	Suspected of damaging fertility or the unborn child.
Sensitization	No data available.
Chronic effects of short and long term exposure	Prolonged exposure to skin may cause drying, defatting and irritation.
Carcinogenicity	Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA.
Mutagenicity	No data available
Reproductive effects	No data available.
Teratogenicity	No data available

12. Ecological Information

Eco-toxicity	Components of this product have been identified as toxic with long lasting effects to the aquatic environmental.
Environmental effects	No data available.
Aquatic toxicity	
Octamethylcyclotetrasiloxane	LC50 Fish (Leuciscus idus): 200 mg/l 96 hour EC50 Water flea (Daphnia magna): > 0.015 mg/l 48 hour EC50 Green algae: 0.022 mg/l 48 hour
Persistence and Degradability	No data available
Bioaccumulation/accumulation	No data available.
Partition coefficient	No data available.
Mobility in environmental media	No data available.
Chemical fate information	No data available.
Other adverse effects	No data available.

13. Disposal Considerations

Disposal instructions	Dispose in accordance with local, state, and federal regulations
Wastes from residues/unused Product	Containerize. Rinse area with water. Keep out of storm sewer/waterways.
Contaminated packaging	Dispose in accordance with all applicable regulations.

14. Transport Information

Basic shipping requirements:	Not DOT regulated
Proper shipping name	
Hazard class	
UN number	
Packing group	
Special provisions	



15. Regulatory Information

U.S federal regulations	This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA HCS 2012.	
TSCA	All ingredients are listed on the Toxic Substances Control Act or are exempt from listing.	
CERCLA Super Fund 40CFR117.302	Product contains a material with a Reportable Quantity (RQ): None	
SARA Title III Section 311&312	Immediate (Acute) Health Hazard Octamethylcyclotetrasiloxane (CAS#556-67-2)	
SARA Title III Section 313	Ingredients subject to the reporting requirements of Section 313: None	
California Proposition 65	This product does not contain ingredients known to the State of California to cause cancer, birth defects or reproductive effects.	
States Right to Know	Reportable Chemicals: Octamethylcyclotetrasiloxane (CAS#556-67-2)	
Inventory Status		
Countries	Inventory Name	On Inventory (Yes/No)*
U.S.	Chemical Inventory List	Yes
Canada	Domestic substances list	Yes
• A Yes indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed.		

16. Other Information

HMIS RATING

HMIS LEGEND

Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	

Health	1
Flammability	0
Reactivity	0
Personal Protection	B

Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

May 3, 2015

Supersedes date

Previous issues.

Reason for update

Conform to GHS OSHA HCS 2012.

Expiration date

May 3, 2018