SAFETY DATA SHEET

1. Product and Company Identification

Product Name	**DEO REO 40**
Product Number	**3AS**
Product Type	Mixture
Product Use	Deodorizer and odorant for carpets & upholstery
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

Specific target organ systemic toxicity, single exposure (Category 2) H371

GHS Label elements, including precautionary statements

Pictogram None required

Signal Word Warning

Hazard Statements

H371 Inhalation or ingestion may cause respiratory irritation, or central nervous system depression. May also cause liver disorders.

Precautionary Statements

Prevention

P260 Do not breath fumes, vapors, mists, or spray from product.

P264 Wash and rinse hands and exposed skin after handling concentrated product.

P270 Do not eat, drink, or smoke when using this product,

Response

P308 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 following are criteria for ingredients to be listed in this section: 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. Nonhazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.

Hazardous Components	CAS#	Classification	%
Ethanol	64-17-5	H225, H371	< 0.3%

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 nonreactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or water ways. Dike spill. Absorb spill with nonreactive absorbent and place in a suitable, covered, labeled container for disposal. Never return spill to original container for reuse.
Environmental Prcautions	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	**CAS-No**	**OSHA PEL**	**ACGIH TLV**
Ethanol	64-17-5	Not available	TWA: 1000 ppm.

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	Clear liquid
Color	Colorless
Odor	Mango
Odor threshold	Not established
pH	Not established
Melting point/freezing point	Not established
Initial Boiling point	> 212º F. (100º C.)
Flash point	> 200º F. (93º C.) Estimated.
Evaporation rate	Not established
Flammability	Not flammable
Upper/lower flammability or Explosive limits	Not established
Vapor pressure	Not established
Vapor density	Not established
Specific gravity/density	0.96-1.01
Solubility in water	Complete
Partition coefficient:	Not established
Auto ignition temperature	Not established
Decomposition temperature	Not established
Stability and Reactivity	Stable and nonreactive 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 oxidizers.
Hazardous decomposition products	May include but not limited to oxides of carbon, ammonia, hydrogen chloride.
Hazardous polymerization	Will not occur.

11. Toxicological Information

Ingredients	**LC50**
Ethanol	31,623 ppm rat

Ingredients	**LD50**
Ethanol	7060 mg/kg (Oral-rat)

Effects of acute exposure

Eye	May cause eye irritation
Skin	May cause mild irritation.

Inhalation or Ingestion	May cause respiratory irritation, or central nervous system depression. May also cause liver disorders.
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	Mutagenic effects were observed in somatic and reproductive cells of live animals exposed to high doses of ethanol.
Reproductive effects	No data available.
Teratogenicity	Animal studies demonstrate that ingestion of ethanol can cause embryotoxicity, teratogenicity and fetotoxicity in the presence of maternal toxicity.

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	
Ethanol	LC50 Fish (Oncorhynchus mykiss): 12.0-16.0 mg/l 96 hour static LC50 Water flea (Daphnia magna): 10,800 mg/l 24 hour LC50 Water flea (Daphnia magna): 9268 mg/l 28 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 40 CFR 117.302	Product contains a material with a Reportable Quantity (RQ): None
SARA Title III Section 311&312	Immediate (Acute) Health Hazard Ethanol (CAS #: 64-17-5)
SARA Title III Section 313	Ingredients subject to the reporting requirements of Section 313: None
California Proposition 65	This product does contain ingredients known to the State of California to cause cancer, birth defects or reproductive effects: Ethanol (CAS #: 64-17-5) and trace amounts of methanol (CAS #: 67-56-1).
States Right to Know	Reportable Chemicals: Ethanol (CAS #: 64-17-5)

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	Health	1
Serious	3	**Flammability**	**0**
Moderate	2	**Reactivity**	**0**
Slight	1	**Personal Protection**	**B**
Minimal			

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.

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