



SAFETY DATA SHEET

1. Product and Company Identification

Product Name	DEO REO 30
Product Number	3AR
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 P264 P270 Response P308	Do not breath fumes, vapors, mists or spray from product. Wash and rinse hands and exposed skin after handling concentrated product. Do not eat, drink, or smoke when using this product, If exposed, or concerned, call a POISON CENTER/doctor
Storage/Disposal P405 P501	Store locked up. 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	%
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 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	CAS-No	OSHA PEL	ACGIH TLV
Ethanol	64-17-5	Not available	TWA: 1000 ppm.



Engineering controls

Personal protective equipment

Eye/Face protection

Hand protection

Skin and body

Respiratory protection

General hygiene considerations

General ventilation normally adequate

Wear safety glasses with side shields if splash conditions exist.

Rubber or nitrile gloves.

As required by employer code.

Use a NIOSH approved respirator when exposure guidelines are exceeded.

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

Fresh air

Odor threshold

Not established

pH

Not established

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

0.96-1.01

Solubility in water

Complete

Partition coefficient:

Not established

Auto ignition temperature

Not established

Decomposition temperature

Not established

Stability and Reactivity

Stable and 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 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**Mutagenicity**

Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA. 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 staticLC50 Water flea (*Daphnia magna*): 10,800 mg/l 24 hourLC50 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

Containerize. Rinse area with water. Keep out of storm sewer/waterways.

Product**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 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 δYesö 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