



## SAFETY DATA SHEET

### 1. Product and Company Identification

|                                   |  |
|-----------------------------------|--|
| <b>Product Name</b>               | DEO REO 30   |
| <b>Product Number</b>             | 3AR  |
| <b>Product Type</b>               | Mixture  |
| <b>Product Use</b>                | Deodorizer and odorant for carpets & upholstery  |
| <b>Manufacturer</b>               | CFR, A Division of Tacony Corporation<br>3101 Wichita Court<br>Fort Worth, TX 76140-1710 |
| <b>Company Contact</b>            | 1-800-533-2557 or website <a href="http://www.cfrcorp.com">www.cfrcorp.com</a>           |
| <b>Emergency Telephone Number</b> | 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

|   |   |
|---|---|
| <b>Pictogram</b>                          | None required   |
| <b>Signal Word</b>                        | Warning   |
| <b>Hazard Statements</b><br>H371          | Inhalation or ingestion may cause respiratory irritation, or central nervous system depression. May also cause liver disorders.   |
| <b>Precautionary Statements</b>           |   |
| <b>Prevention</b><br>P260<br>P264<br>P270 | Do not breath fumes, vapors, mists or spray from product.<br>Wash and rinse hands and exposed skin after handling concentrated product.<br>Do not eat, drink, or smoke when using this product, |
| <b>Response</b><br>P308                   | If exposed, or concerned, call a POISON CENTER/doctor   |
| <b>Storage/Disposal</b><br>P405<br>P501   | Store locked up.<br>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% |

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## 4. First Aid Measures

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### Description of First Aid Procedures

|                                |  |
|--------------------------------|--|
| <b>In case of Eye Contact</b>  | Flush with cool running water for 15 minutes. If irritation persists, get medical attention.   |
| <b>In case of Skin Contact</b> | Flush with cool water, Wash with soap and water. If irritation persists, get medical Attention.  |
| <b>If Inhaled</b>              | If symptoms develop, move to fresh air. If symptoms persist, get medical attention   |
| <b>If Ingested</b>             | Rinse mouth with water. Drink one or two glasses of water. <b>Do not induce vomiting.</b> Obtain medical attention. Never give anything by mouth to an unconscious person. |
| <b>.Notes to Physician</b>     | Symptoms may be delayed.   |
| <b>General advice</b>          | Seek medical attention if feeling unwell. Show the SDS to the physician in attendance.   |

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## 5. Fire-fighting Measures

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|  |   |
|--|---|
| <b>Flammable properties</b>            | Not flammable   |
| <b>Extinguishing media</b>             | Treat for surrounding material.   |
| <b>Protection of firefighters</b>      | Firefighters should wear protective clothing including self contained breathing apparatus |
| <b>Hazardous combustion products</b>   | May include and not limited to oxides of carbon, ammonia and hydrogen chloride.           |
| <b>Unusual Fire, Explosion hazards</b> | None known.   |

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## 6. Accidental Release Measures

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|                                  |  |
|----------------------------------|--|
| <b>Personal precautions</b>      | 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.   |
| <b>Methods for containment</b>   | Stop leak if you can do so without risk. Prevent entry into waterways, sewers.   |
| <b>Methods for cleaning up</b>   | 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. |
| <b>Environmental Precautions</b> | Avoid release to the environment.  |

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## 7. Handling and Storage

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|                                      |  |
|--------------------------------------|--|
| <b>Precautions for Safe Handling</b> | Use good industrial hygiene practices when handling this material  |
| <b>Conditions for Safe Storage</b>   | Keep out of reach of children. Keep from freezing, store in a cool dry place away from incompatible materials. |

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## 8. Exposure Controls and Personal Protection

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|                        |               |                 |                  |
|------------------------|---------------|-----------------|------------------|
| <b>Exposure limits</b> |               |                 |                  |
| <b>Ingredients</b>     | <b>CAS-No</b> | <b>OSHA PEL</b> | <b>ACGIH TLV</b> |
| Ethanol                | 64-17-5       | Not available   | TWA: 1000 ppm.   |



|                                       |  |
|---------------------------------------|--|
| <b>Engineering controls</b>           | General ventilation normally adequate  |
| <b>Personal protective equipment</b>  |  |
| <b>Eye/Face protection</b>            | Wear safety glasses with side shields if splash conditions exist.  |
| <b>Hand protection</b>                | Rubber or nitrile gloves.  |
| <b>Skin and body</b>                  | As required by employer code.  |
| <b>Respiratory protection</b>         | Use a NIOSH approved respirator when exposure guidelines are exceeded.   |
| <b>General hygiene considerations</b> | 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

|   |  |
|---|--|
| <b>Appearance/form</b>                              | Clear liquid   |
| <b>Color</b>  | Colorless  |
| <b>Odor</b>   | Fresh air  |
| <b>Odor threshold</b>                               | Not established  |
| <b>pH</b>   | Not established  |
| <b>Melting point/freezing point</b>                 | Not established  |
| <b>Initial Boiling point</b>                        | > 212° F. ( 100° C.)   |
| <b>Flash point</b>                                  | > 200° F. ( 93° C.) Estimated.                                   |
| <b>Evaporation rate</b>                             | Not established  |
| <b>Flammability</b>                                 | Not flammable  |
| <b>Upper/lower flammability or Explosive limits</b> | Not established  |
| <b>Vapor pressure</b>                               | Not established  |
| <b>Vapor density</b>                                | Not established  |
| <b>Specific gravity/density</b>                     | 0.96-1.01  |
| <b>Solubility in water</b>                          | Complete   |
| <b>Partition coefficient:</b>                       | Not established  |
| <b>Auto ignition temperature</b>                    | Not established  |
| <b>Decomposition temperature</b>                    | Not established  |
| <b>Stability and Reactivity</b>                     | Stable and non reactive under normal use and storage conditions. |
| <b>VOC</b>  | < 1%   |
| <b>% Volatile</b>                                   | Approx. 97%  |
| <b>Other safety Information</b>                     |  |

## 10. Stability and Reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                       | Not reactive under normal use and storage.                                   |
| <b>Chemical Stability</b>               | Stable under normal storage conditions.                                      |
| <b>Hazardous reactions</b>              | None known.  |
| <b>Conditions to avoid</b>              | Do not mix with other chemicals.   |
| <b>Incompatible materials</b>           | Strong acids and oxidizers.  |
| <b>Hazardous decomposition products</b> | May include but not limited to oxides of carbon, ammonia, hydrogen chloride. |
| <b>Hazardous polymerization</b>         | Will not occur.  |

## 11. Toxicological Information

|                    |                       |
|--------------------|-----------------------|
| <b>Ingredients</b> | <b>LC50</b>           |
| Ethanol            | 31,623 ppm rat        |
| <b>Ingredients</b> | <b>LD50</b>           |
| 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.

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## 12. Ecological Information

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**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.

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## 13. Disposal Considerations

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**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.

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## 14. Transport Information

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**Basic shipping requirements:**

Not DOT regulated

**Proper shipping name**

**Hazard class**

**UN number**

**Packing group**

**Special provisions**

## 15. Regulatory Information

|   |   |
|---|---|
| <b>U.S federal regulations</b>            | 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.      |
| <b>TSCA</b>                               | All ingredients are listed on the Toxic Substances Control Act or are exempt from listing.  |
| <b>CERCLA Super Fund 40CFR117.302</b>     | Product contains a material with a Reportable Quantity (RQ): None   |
| <b>SARA Title III Section 311&amp;312</b> | Immediate (Acute) Health Hazard<br>Ethanol (CAS#64-17-5)  |
| <b>SARA Title III Section 313</b>         | Ingredients subject to the reporting requirements of Section 313: None  |
| <b>California Proposition 65</b>          | 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). |
| <b>States Right to Know</b>               | Reportable Chemicals:<br>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 | 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.

### Issue date

### Supersedes date

### Reason for update

### Expiration date

May 3, 2015

Previous issues.

Conform to GHS OSHA HCS 2012.

May 3, 2018