

**TRANE®**

# TRANE OIL00031 REFRIGERATION OIL

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
SDS ID: 31248  
Issue date: 10/21/2022 Version: 1.0

# 2328

SDS REC'D by Trane May 29, 2024

OIL00031

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : TRANE OIL00031 REFRIGERATION OIL

#### 1.2. Recommended use and restrictions on use

No additional information available

#### 1.3. Supplier

Trane U.S. Inc. Technology Center  
2213 S. 20th Street  
La Crosse, WI , 54601  
USA  
T 1-608-787-2000

#### 1.4. Emergency telephone number

Emergency number : 1-800-424-9300 (CHEMTREC)

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Not classified

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

No labeling applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

No additional information available

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name                                                   | Product identifier  | %   | GHS US classification |
|--------------------------------------------------------|---------------------|-----|-----------------------|
| DISTILLATES (PETROLEUM), CLAY-TREATED HEAVY NAPHTHENIC | CAS-No.: 64742-44-5 | 100 | Not classified        |

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret  
Full text of hazard classes and H-statements : see section 16

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### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

|                                       |                                                                                                                                                                                                                         |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Call a poison center/doctor/physician if you feel unwell. First aider: Pay attention to self-protection.                                                                                                              |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Seek medical attention if ill effect or irritation develops.                                                                                           |
| First-aid measures after skin contact | : Seek medical attention if ill effect or irritation develops. Wash skin with plenty of water.                                                                                                                          |
| First-aid measures after eye contact  | : Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Rinse cautiously with water for several minutes. |
| First-aid measures after ingestion    | : Call a poison center/doctor/physician if you feel unwell. Do not induce vomiting. Rinse mouth. If you feel unwell, seek medical advice.                                                                               |

#### 4.2. Most important symptoms and effects (acute and delayed)

|                  |                                                                                            |
|------------------|--------------------------------------------------------------------------------------------|
| Symptoms/effects | : Not expected to present a significant hazard under anticipated conditions of normal use. |
|------------------|--------------------------------------------------------------------------------------------|

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

|                                |                                                                                                                     |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media   | : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2). Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                                                                                  |

#### 5.2. Specific hazards arising from the chemical

|                                                  |                                                                                                                                                                                                 |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fire hazard                                      | : vapors may cause fire/explosion if source of ignition is present. Watch out for invisible flames. The vapors are denser than air and may travel along the ground. Distance ignition possible. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released.                                                                                                                                                                  |

#### 5.3. Special protective equipment and precautions for fire-fighters

|                                |                                                                                                                                                                                                                                                                                                    |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Evacuate area. Use water spray or fog for cooling exposed containers. Do not allow water to enter the vessels, a violent reaction may occur. Eliminate all ignition sources if safe to do so. Fight fire from safe distance and protected location. In case of fire: Stop leak if safe to do so. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection.                                                             |
| Other information              | : High temperature decomposition products are harmful by inhalation. On exposure to high temperature, may decompose, releasing toxic gases.                                                                                                                                                        |

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

|                  |                                                                                                                                                                                                                                                               |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General measures | : Clean up any spills as soon as possible, using an absorbent material to collect it. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Eliminate every possible source of ignition. Evacuate area. |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

##### 6.1.1. For non-emergency personnel

|                      |                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------|
| Protective equipment | : Avoid contact with skin, eyes and clothing. Wear recommended personal protective equipment. |
|----------------------|-----------------------------------------------------------------------------------------------|

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Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Do not breathe vapors. No open flames, no sparks, and no smoking.

### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

## 6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters.

## 6.3. Methods and material for containment and cleaning up

For containment : Stop leak, if possible without risk. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation. Clear up rapidly by scoop or vacuum.

Other information : Dispose of materials or solid residues at an authorized site.

## 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling : Wear personal protective equipment. Ensure good ventilation of the work station. Do not breathe vapors. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Handling temperature : ≤ 140 °F

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wear personal protective equipment. Take off immediately all contaminated clothing and wash it before reuse. Separate working clothes from town clothes. Launder separately.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Store in a well-ventilated place. Keep container tightly closed. Keep only in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### TRANE OIL00031 REFRIGERATION OIL

##### USA - ACGIH - Occupational Exposure Limits

|               |                                               |
|---------------|-----------------------------------------------|
| ACGIH OEL TWA | 5 mg/m³ Contains highly refined petroleum oil |
|---------------|-----------------------------------------------|

##### USA - OSHA - Occupational Exposure Limits

|              |                                               |
|--------------|-----------------------------------------------|
| OSHA PEL TWA | 5 mg/m³ Contains highly refined petroleum oil |
|--------------|-----------------------------------------------|

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### TRANE OIL00031 REFRIGERATION OIL

OSHA PEL STEL

10 mg/m<sup>3</sup> Contains highly refined petroleum oil

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### Hand protection:

Protective gloves. nitrile rubber gloves

#### Eye protection:

Safety glasses. Chemical goggles or safety glasses

#### Skin and body protection:

Wear suitable protective clothing. Wear suitable protective clothing. Wear impervious rubber safety shoes. Chemical resistant apron

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. In case of inadequate ventilation wear respiratory protection.

#### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                                                                             |
|-------------------------------------------------|-----------------------------------------------------------------------------|
| Physical state                                  | : Liquid                                                                    |
| Color                                           | : Colorless                                                                 |
| Odor                                            | : Mixture contains one or more component(s) which have the following odour: |
| Odor threshold                                  | : No data available                                                         |
| pH                                              | : No data available                                                         |
| Melting point                                   | : Not applicable                                                            |
| Freezing point                                  | : No data available                                                         |
| Boiling point                                   | : No data available                                                         |
| Flash point                                     | : 185 °C                                                                    |
| Relative evaporation rate (butyl acetate=1)     | : No data available                                                         |
| Flammability (solid, gas)                       | : Not applicable.                                                           |
| Vapor pressure                                  | : No data available                                                         |
| Relative vapor density at 20°C                  | : No data available                                                         |
| Relative density                                | : 0.916                                                                     |
| Solubility                                      | : No data available                                                         |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                                                         |
| Auto-ignition temperature                       | : No data available                                                         |
| Decomposition temperature                       | : No data available                                                         |
| Viscosity, kinematic                            | : 61.43 mm <sup>2</sup> /s @ 40°C                                           |

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|                      |                     |
|----------------------|---------------------|
| Viscosity, dynamic   | : No data available |
| Explosion limits     | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. None under normal use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). High temperature.

### 10.5. Incompatible materials

Acids. Oxidizing agent.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. fume. Carbon dioxide. Carbon monoxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

### DISTILLATES (PETROLEUM), CLAY-TREATED HEAVY NAPHTHENIC (64742-44-5)

|                                   |                                                                                            |
|-----------------------------------|--------------------------------------------------------------------------------------------|
| LD50 dermal rabbit                | > 2000 mg/kg Source: ECHA                                                                  |
| Skin corrosion/irritation         | : Not classified                                                                           |
| Serious eye damage/irritation     | : Not classified                                                                           |
| Respiratory or skin sensitization | : Not classified                                                                           |
| Germ cell mutagenicity            | : Not classified                                                                           |
| Carcinogenicity                   | : Not classified                                                                           |
| Reproductive toxicity             | : Not classified                                                                           |
| STOT-single exposure              | : Not classified                                                                           |
| STOT-repeated exposure            | : Not classified                                                                           |
| Aspiration hazard                 | : Not classified                                                                           |
| Viscosity, kinematic              | : 61.43 mm²/s @ 40°C                                                                       |
| Symptoms/effects                  | : Not expected to present a significant hazard under anticipated conditions of normal use. |

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

#### TRANE OIL00031 REFRIGERATION OIL

|                                    |            |
|------------------------------------|------------|
| LC50 - Fish [1]                    | > 100 mg/l |
| LC50 - Other aquatic organisms [1] | > 100 mg/l |

#### 12.2. Persistence and degradability

#### TRANE OIL00031 REFRIGERATION OIL

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### DISTILLATES (PETROLEUM), CLAY-TREATED HEAVY NAPHTHENIC (64742-44-5)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

|                                            |                                                                                                             |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                                  |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.               |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                                  |
| Product/Packaging disposal recommendations | : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. |
| Additional information                     | : Clean up even minor leaks or spills if possible without unnecessary risk. Do not re-use empty containers. |
| Ecological information                     | : Avoid release to the environment.                                                                         |

### SECTION 14: Transport information

In accordance with DOT

#### 14.1. UN number

|           |                 |
|-----------|-----------------|
| DOT NA No | : Not regulated |
|-----------|-----------------|

#### 14.2. UN proper shipping name

|                            |                 |
|----------------------------|-----------------|
| Proper Shipping Name (DOT) | : Not regulated |
|----------------------------|-----------------|

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### 14.3. Transport hazard class(es)

#### DOT

Transport hazard class(es) (DOT) : Not regulated

### 14.4. Packing group

Packing group (DOT) : Not regulated

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

#### DOT

Not regulated

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

| Name                                                   | CAS-No.    | Listing | Commercial status | Flags |
|--------------------------------------------------------|------------|---------|-------------------|-------|
| DISTILLATES (PETROLEUM), CLAY-TREATED HEAVY NAPHTHENIC | 64742-44-5 | Present | Active            |       |

### 15.2. International regulations

#### CANADA

#### DISTILLATES (PETROLEUM), CLAY-TREATED HEAVY NAPHTHENIC (64742-44-5)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

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NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

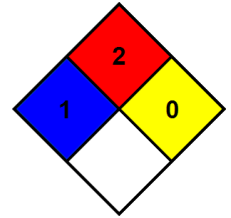
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NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



### Hazard Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible  
Flammability : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)  
Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.  
Personal protection : B - Safety glasses, Gloves

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.