

**Oakite<sup>®</sup> 498 DFW**

Version 0.1

Revision Date 06/23/2015

Print Date 01/29/2016

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**
Product name : Oakite<sup>®</sup> 498 DFW

Substance number : REL\_3000

Chemical usage : Rust preventive.

**Manufacturer or supplier's details**

Company : Chemetall US, Inc.

Address : 675 Central Avenue  
New Providence NJ 07974

Telephone : (800) 526-4473

Telefax : (908) 464-4658

Emergency telephone no : CHEMTREC - 800-424-9300, 1-703-527-3887 (International)

**SECTION 2. HAZARDS IDENTIFICATION**
**Emergency Overview**

Appearance	liquid
Colour	dark brown
Odour	Bland
Hazard Summary	Causes irritation of eyes and skin. Harmful by inhalation and if swallowed.

**GHS Classification**

Acute toxicity (Inhalation) : Category 4

**GHS Label element**

Hazard pictograms :



Signal word : Warning

Hazard statements : Harmful if inhaled.

Precautionary statements : **Prevention:**  
 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
 Use only outdoors or in a well-ventilated area.

**Response:**  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or

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doctor/ physician if you feel unwell.

**Potential Health Effects**

- Inhalation : yes
- Skin : yes
- Ingestion : yes
- Aggravated Medical Condition : None known.

**Carcinogenicity:**

- IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- ACGIH** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- OSHA** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
- NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture :

**Hazardous components**

Component	CAS-No.	Weight percent
distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	70 - 90
N,N-Dimethylethanolamine	108-01-0	1 - 5

Unidentified ingredients are considered not hazardous under Federal Hazard Communication Standard (29CFR 1910.1200).

Specific chemical identity of composition has been withheld as a trade secret.

Exact percentage of composition has been withheld as a trade secret.

**SECTION 4. FIRST AID MEASURES**

- If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.
- In case of skin contact : Wash off immediately with plenty of water for at least 15

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- minutes.  
Get medical attention if irritation develops and persists
- In case of eye contact : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists. Keep eye wide open while rinsing.
- If swallowed : Rinse mouth.  
Drink plenty of water.  
Never give anything by mouth to an unconscious person.  
Obtain medical attention.

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**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Further information : In the event of fire, cool tanks with water spray.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.  
Material can create slippery conditions.
- Methods and materials for containment and cleaning up : Ventilate area.  
Clean up with inert absorbant material.  
Keep in suitable, closed containers for disposal.  
Flush with plenty of water.
- Additional advice : Never return spills in original containers for re-use.

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**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling : Use only with adequate ventilation.  
Unscrew closure slowly. Allow all pressure to escape through threads before removing closure
- Conditions for safe storage : Store indoors in a cool, well-ventilated place  
Keep drum out of sun and away from heat.  
Keep containers dry and tightly closed to avoid moisture absorption and contamination.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Components with workplace control parameters**

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Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	TWA (Mist)	5.000000 mg/m3	OSHA Z-1
		TWA (Inhalable fraction)	5.000000 mg/m3	ACGIH
		TWA (Mist)	5.000000 mg/m3	NIOSH REL
		ST (Mist)	10.000000 mg/m3	NIOSH REL
		TWA (Mist)	5.000000 mg/m3	OSHA P0

**Personal protective equipment**

- Respiratory protection : If the occupational exposure limits cannot be met, suitable respirator equipment shall be worn.
- Hand protection  
Remarks : Impervious gloves
- Eye protection : Chemical resistant goggles must be worn.  
Safety glasses with side-shields
- Skin and body protection : Rubber or plastic apron
- Hygiene measures : Avoid contact with skin, eyes and clothing.  
Wear suitable gloves and eye/face protection.  
Wear suitable protective clothing.  
Wash hands before breaks and immediately after handling the product.  
Provide adequate ventilation.  
Do not breathe vapours or spray mist.  
Keep away from food and drink.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : liquid
- Colour : dark brown
- Odour : Bland
- pH : 9.5 - 10.5
- Freezing point : -23 °C
- Boiling point/boiling range : no data available
- Flash point : > 93.4 °C
- Evaporation rate : (Water =1) Less than 1
- Upper explosion limit : no data available
- Lower explosion limit : no data available

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Vapour pressure	: no data available
Relative density	: 0.923
Bulk density	: 7.70 lb/gal
Solubility(ies)	
Water solubility	: emulsifiable
Partition coefficient: n-octanol/water	: no data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available

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**SECTION 10. STABILITY AND REACTIVITY**

Conditions to avoid	: Direct sources of heat.
Incompatible materials	: Strong oxidizing agents Acids
Hazardous decomposition products	: Sulphur oxides Carbon oxides Nitrogen Oxides

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**SECTION 11. TOXICOLOGICAL INFORMATION**
**Acute toxicity****Product:**

Acute oral toxicity	: Acute toxicity estimate : > 5,000.000000 mg/kg Method: Calculation method
Acute inhalation toxicity	: Acute toxicity estimate : 14.580000 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
Acute dermal toxicity	: Acute toxicity estimate : > 5,000.000000 mg/kg Method: Calculation method

**Components:****distillates (petroleum), hydrotreated heavy naphthenic:**

Acute oral toxicity	: LD50 rat: > 5,000.000000 mg/kg
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Acute inhalation toxicity : LC50 rat: > 10.000000 mg/l  
Exposure time: 4 h

Acute dermal toxicity : LD50 rabbit: > 2,000.000000 mg/kg

**N,N-Dimethylethanolamine:**

Acute oral toxicity : LD50 rat: 2,000.000000 mg/kg

Acute inhalation toxicity : LC50 rat: 1641 ppm  
Exposure time: 4 h

Acute dermal toxicity : LD50 rabbit: 1,370.000000 mg/kg

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation****Components:****distillates (petroleum), hydrotreated heavy naphthenic:**

Result: Mild eye irritation

**Respiratory or skin sensitisation**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

no data available

**Reproductive toxicity**

no data available

**STOT - single exposure**

no data available

**STOT - repeated exposure**

no data available

**Aspiration toxicity**

no data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

no data available

**Bioaccumulative potential****Product:**

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Partition coefficient: n-octanol/water

: Remarks: no data available

**Other adverse effects**

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

Waste from residues

: Refer to all federal, provincial, state and local regulation prior to disposition of container and unused contents by reuse, recycle or disposal.

**SECTION 14. TRANSPORT INFORMATION**

**International regulation**

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

Not applicable for product as supplied.

**National Regulations**

**SECTION 15. REGULATORY INFORMATION**

**TSCA Status**

: All components of this material comply with US TSCA requirements.

**OSHA Hazards**

: Harmful by ingestion., Harmful by skin absorption.

**WHMIS Classification**

: D2B: Toxic Material Causing Other Toxic Effects

**EPCRA - Emergency Planning and Community Right-to-Know Act**

**CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
N,N-Dimethylethanolamine	108-01-0	100	6,944

**SARA 311/312 Hazards**

: Acute Health Hazard

**SARA 302**

: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313**

: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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**US State Regulations**

**Massachusetts Right To Know**

distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5
N,N-Dimethylethanolamine	108-01-0

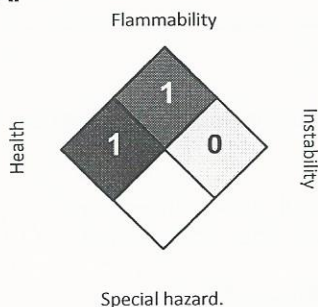
**Pennsylvania Right To Know**

distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5
Trade secret registry	735517-5188P
water	7732-18-5
N,N-Dimethylethanolamine	108-01-0

**New Jersey Right To Know**

distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5
Trade secret registry	735517-5188P
water	7732-18-5
Fatty acids, tall-oil, compds. with 2-(dimethylamino)ethanol	68309-13-7
Trade Secret Registry	735517-5076P
N,N-Dimethylethanolamine	108-01-0

**NFPA:**



**HMIS III:**

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Safety Glasses, Gloves, Vapour  
Respirator

**SECTION 16. OTHER INFORMATION**

**Further information**

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Chemetall US, Inc. warrants that the products described herein will conform with its published specifications.

The products supplied by Chemetall and information related to them are intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient



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verification and testing to determine the suitability of the Chemetall materials for their own particular purpose. Since buyer's conditions of use of products are beyond Chemetall's control, Chemetall does not warrant any recommendations and information for the use of such products. CHEMETALL DISCLAIMS ALL OTHER WARRANTIES INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH THE USE OF ITS PRODUCTS.