

# SAFETY DATA SHEET

## 1. Identification

### Identification

**Product name:** MD ONE

### Additional identification

**Chemical name:** Mixture

### Recommended use and restriction on use

**Recommended use:** Formulated Industrial Lubricant

**Restrictions on use:** None identified.

### Details of the supplier of the safety data sheet

#### Supplier

**Company Name:** Industrial Technologies and Services LLC

**Address:** 1800 Gardner Expressway

Quincy, IL 62305

US

**Telephone:** (217)222-5400

### Emergency telephone number:

FOR TRANSPORT EMERGENCY CALL CHEMTREC (+1)703 527 3887, OR WITHIN USA 800 424 9300

## 2. Hazard(s) identification

### Hazard Classification

Not classified

### Label Elements:

**Hazard Symbol:** No symbol

**Signal Word:** No signal word.

**Hazard Statement:** Not applicable

**Precautionary Statements:** Not applicable

**Other hazards which do not result in GHS classification:** None identified.

## 3. Composition/information on ingredients

Chemical name	CAS number	Percent by Weight
Alkarylamine	68411-46-1	0.5 – 1%

## 4. First-aid measures

**Ingestion:** Treat symptomatically. Get medical attention.

<b>Inhalation:</b>	Remove exposed person to fresh air if adverse effects are observed.
<b>Skin Contact:</b>	Wash with soap and water. If skin irritation occurs, get medical attention.
<b>Eye contact:</b>	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses.

**Most important symptoms/effects, acute and delayed**

**Symptoms:** See section 11.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** Treat symptomatically.

**5. Fire-fighting measures**

**General Fire Hazards:** No unusual fire or explosion hazards noted.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** CO<sub>2</sub>, dry chemical, foam, water spray, water fog.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. See section 10 for additional information.

**Special protective equipment and precautions for fire-fighters**

**Special fire-fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Recommend wearing self-contained breathing apparatus.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** No data available.

**Environmental Precautions:** Avoid release to the environment. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so.

**Methods and material for containment and cleaning up:** Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

**7. Handling and storage**

**Precautions for safe handling:** Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment.

<b>Maximum Handling Temperature:</b>	70 °C 158 °F
<b>Conditions for safe storage, including any incompatibilities:</b>	Store away from incompatible materials. See section 10 for incompatible materials.
<b>Maximum Storage Temperature:</b>	45 °C 113 °F

## 8. Exposure controls/personal protection

### Control Parameters:

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

**Appropriate engineering controls:** No special requirements under ordinary conditions of use and with adequate ventilation.

### Individual protection measures, such as personal protective equipment

**General information:** Use personal protective equipment as required.

**Eye/face protection:** If contact is likely, safety glasses with side shields are recommended.

#### Skin Protection

**Hand Protection:** Suitable gloves can be recommended by the glove supplier.

**Other:** No data available.

**Respiratory Protection:** Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator. Use respirator if irritation is experienced or if the recommended exposure limit is exceeded.

**Hygiene measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

## 9. Physical and chemical properties

### Appearance

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	Blue
<b>Odor:</b>	Characteristic
<b>Odor threshold:</b>	No data available.
<b>pH:</b>	Not applicable
<b>Freezing point:</b>	No data available.
<b>Boiling Point:</b>	No data available.
<b>Flash Point:</b>	464 °F (240 °C) (Cleveland Open Cup)
<b>Evaporation rate:</b>	No data available.

SDS\_US - MD ONE

<b>Flammability (solid, gas):</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Flammability limit - upper (%):</b>	No data available.
<b>Flammability limit - lower (%):</b>	No data available.
<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density:</b>	No data available.
<b>Relative density:</b>	0.857 68 °F (20 °C)
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	Insoluble in water
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	90 mm <sup>2</sup> /s ( 104 °F (40 °C) )

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	Will not occur.
<b>Conditions to avoid:</b>	Not determined.
<b>Incompatible Materials:</b>	Peroxides. Nitrates. Strong oxidizing agents. Chlorates
<b>Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	No data available.
<b>Ingestion:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

### Information on toxicological effects

#### Acute toxicity

##### Oral

Product: Not classified for acute toxicity based on available data.

##### Dermal

Product: Not classified for acute toxicity based on available data.

**Inhalation**

Alkarylamine  
Vapour: LC 50 Not classified  
Vapour Dust and mist: LC 50 Not classified  
Dust and mist

**Skin Corrosion/Irritation:**

Product: Remarks: Not classified as a primary skin irritant. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.

**Serious Eye Damage/Eye Irritation:**

Product: Remarks: Not classified as a primary eye irritant.

**Respiratory sensitization:**

No data available

**Skin sensitization:**

Alkarylamine Classification: Not a skin sensitizer. (Literature) Not a skin sensitizer.

**Specific Target Organ Toxicity - Single Exposure:**

Alkarylamine If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.

**Aspiration Hazard:**

No data available

**Other effects:****Chronic Effects****Carcinogenicity:**

No data available

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:**

No carcinogenic components identified

**Germ Cell Mutagenicity:**

Alkarylamine In vitro and in vivo genetic toxicity studies were negative.

**Reproductive toxicity:**

Alkarylamine Suspected of damaging fertility or the unborn child.

**Specific Target Organ Toxicity - Repeated Exposure:**

Alkarylamine Oral: Target Organ(s): Liver, Kidney

**12. Ecological information****Ecotoxicity****Fish**

Alkarylamine LC 50 (Zebra Fish, 4 d): > 100 mg/l

**Aquatic Invertebrates**

Alkarylamine EC 50 (Water flea (Daphnia magna), 2 d): 51 mg/l  
NOEC (Water Flea (Daphnia Magna), 21 d): 1.69 mg/l

**Toxicity to Aquatic Plants**

Alkarylamine EC 50 (Green algae (Scenedesmus quadricauda), 3 d): > 100 mg/l  
NOEC (Green algae (Scenedesmus quadricauda), 3 d): 10 - 100 mg/l

**Toxicity to soil dwelling organisms**

No data available

**Sediment Toxicity**

No data available

**Toxicity to Terrestrial Plants**

No data available

**Toxicity to Above-Ground Organisms**

No data available

**Toxicity to microorganisms**

Alkarylamine EC 50 (Sludge, 3 h): > 100 mg/l

**Persistence and Degradability****Biodegradation**

Alkarylamine OECD TG 301 B, 1 %, 28 d, Not readily degradable. (The product is not biodegradable.)

**Bioaccumulative potential****Bioconcentration Factor (BCF)**

Alkarylamine Common Carp, Bioconcentration Factor (BCF): 1,730 (Read across)  
Based on experimental data this material is not bioaccumulative.

**Partition Coefficient n-octanol / water (log Kow)**

Alkarylamine Log Kow: > 5 25 °C (calculated)

**Mobility:**

No data available

**Other adverse effects**

No data available

**13. Disposal considerations**

**Disposal instructions:** Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied.

**Contaminated Packaging:** Container packaging may exhibit hazards.

**14. Transport information****DOT**

Not Regulated.

**IMDG**

Not Regulated.

**IATA**

Not Regulated.

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

None known.

The DOT shipping information in this section is based on a bulk container. Please review the accompanying shipping papers for the correct shipping descriptions based on the size of the package. Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. During transportation, steps must be taken to prevent load shifting or materials falling, and all relating legal statutes should be obeyed. Review classification requirements before shipping materials at elevated temperatures.

**15. Regulatory information****US Federal Regulations****TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

**TSCA Section 5(a)2 Significant New Use Rule (SNURs) (40CFR 721, Subpt E)**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

None present or none present in regulated quantities.

**Superfund amendments and reauthorization act of 1986 (SARA)****SARA 311 Classifications**

Not classified

**SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

**SARA 304 Emergency Release Notification**

None present or none present in regulated quantities.

**SARA 313 (TRI Reporting)**

None present or none present in regulated quantities.

## US State Regulations

### US. California Proposition 65



This product can expose you to chemicals including: Ethyl acrylate (5.00PPM) Acrylate ester (5.00PPM) which is [are] known to the State of California to cause cancer.

## Inventory Status

### Australia (AIC)

All components are in compliance with chemical notification requirements in Australia.

### Canada (DSL/NDSL)

All substances contained in this product are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List (DSL) or are exempt.

### China (IECSC)

All components of this product are listed on the Inventory of Existing Chemical Substances in China.

### European Union (REACH)

To obtain information on the REACH compliance status of this product, please e-mail REACH@SDSInquiries.com.

### Great Britain (UK REACH)

To obtain information on the UK REACH compliance status of this product, please e-mail REACH@SDSInquiries.com.

### Japan (ENCS)

All components are in compliance with the Chemical Substances Control Law of Japan.

### Korea (ECL)

All components are in compliance in Korea.

### New Zealand (NZIoC)

All components are in compliance with chemical notification requirements in New Zealand.

### Philippines (PICCS)

All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).

### Switzerland (SWISS)

All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.

### Taiwan (TCSCA)

All components of this product are listed on the Taiwan inventory.

### Turkey (KKDIK)

To obtain information on the KKDIK compliance status of this product, please e-mail REACH@SDSInquiries.com.

### United States (TSCA)

All substances contained in this product are listed on the TSCA inventory or are exempt.

*The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.*



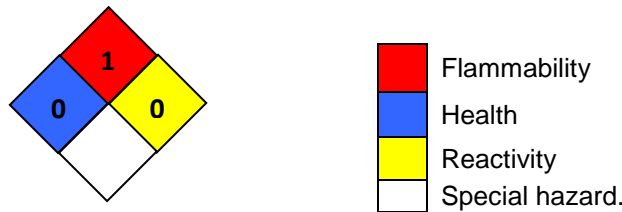
**16. Other information, including date of preparation or last revision**

**HMIS Hazard ID**

<b>Health</b>		0
<b>Flammability</b>		1
<b>Physical Hazards</b>		0

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

**NFPA Hazard ID**



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

**Issue Date:** 11/08/2023

**Version #:** 1.0

**Source of information:** Internal company data and other publically available resources.

**Further Information:** Contact supplier (see Section 1)

Revision(s) are noted by the double bar in the margin and the light gray box.

**Disclaimer:** As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user.