

## Safety Data Sheet

### Section 1: Identification

|  |  |            |
|--|--|------------|
| Product Identifier/Name  | ▪ CW 16, 32, 128 & 640   | 10/20/2022 |
| Product code   | ▪ 10180  |            |
| <b>Relevant identified uses of the substance or mixture and uses advised against</b> |  |            |
| Recommended use  | ▪ Water dilutable metalworking fluid   |            |
| Restrictions on use  | ▪ For intended industrial use only   |            |
| HMIRA Registration No.   | ▪ 11496  |            |
| HMIRA Registration Date  | ▪ 2017-05-23   |            |
| <b>Details of the supplier of the safety data sheet</b>                              |  |            |
| Manufacturer   | ▪ Mark V Laboratory<br>18 Kripes Rd. P.O. Box 370<br>East Granby, CT 06026<br>Canada<br>www.markvlab.com |            |
| Telephone (General)  | ▪ (800) 243-9776   |            |
| Emergency telephone number   | ▪ CANUTEC (613) 996-6666 Collect 24 hr   |            |

### Section 2: Hazard Identification

#### Classification of the substance or mixture

In accordance with 29 CFR 1910.1200 OSHA HCS 2012, the Canadian Hazardous Products Regulations and WHIMIS 2015

Eye Damage/Eye Irritation Category 1

Skin irritant Category 2

#### Label elements

Signal word

**DANGER**



Hazard symbol

#### Hazard statements

H318 ▪ Causes serious eye damage

H315 ▪ Causes skin irritation

#### Precautionary statements

Prevention

P280.5 ▪ Wear protective gloves/clothing/eye protection/face protection.

P264 ▪ Wash hands thoroughly after handling.

Response

P305+P351+P338 ▪ IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 ▪ IF IN EYES: Immediately contact a doctor or medical centre.

- P302+P352 ▪ IF ON SKIN: Wash with plenty of water.
- P332+P313 ▪ If skin irritation occurs Get medical advice/attention.
- P362+P364 ▪ Take off contaminated clothing and wash it before reuse.

- Storage** ▪ Not applicable
- Disposal** P501 ▪ Dispose of contents/container in accordance with local/national regulations
- Hazards not otherwise classified** ▪ Not applicable
- Other hazards** ▪ None known

### Section 3: Composition/Information on Ingredients

- Substances** ▪ Mixture
- Mixtures**

#### Hazardous Components

| Chemical Name      | %(Wt.)  | CAS #       |
|--------------------|---------|-------------|
| Alkanolamine #1    | 1 - 5   | Proprietary |
| Alkanolamine #2    | 1 - 5   | Proprietary |
| Alcohol ethoxylate | 1 - 4   | Proprietary |
| Triazine           | 0.5 - 3 | 4719-04-4   |
| Amine salt #1      | 2 - 5   | Proprietary |
| Amine salt #2      | 5 - 8   | Proprietary |
| Amine carboxylate  | 1 - 4   | Proprietary |

### Section 4: First-Aid Measures

#### Description of first aid measures

- Inhalation** ▪ Move victim to fresh air if adverse effects are observed.
  - Skin** ▪ IF ON SKIN: Wash skin with soap and water. Remove contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.
  - Eye** ▪ IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Get medical advice/attention.
  - Ingestion** ▪ Do NOT induce vomiting. Seek medical attention.
- Most important symptoms and effects**
- Acute** ▪ Direct contact with product concentrate may cause eye damage or skin irritation.
  - Delayed** ▪ Prolonged/repeated exposure may cause skin irritation or allergic reaction in susceptible individuals.

#### Indication of any immediate medical attention and special treatment needed

- Note to Physician** ▪ All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

### Section 5: Fire-Fighting Measures

- Extinguishing media** ▪ Water based product, should not burn.

- Suitable Extinguishing Media**
  - Regular foam, carbon dioxide, dry chemical.
- Unsuitable Extinguishing Media**
  - Avoid the use of streaming water, as this may spread the fire.

**Special hazards arising from the substance or mixture**

- Unusual Fire and Explosion**
  - Product boils and foams excessively when heated above 200°F.

**Hazards**

- Hazardous Combustion Products**
  - Smoke, soot, fumes or vapors, oxides of carbon and nitrogen, various hydrocarbons.
- Special Protective Equipment and Precautions for Firefighters**
  - Structural firefighters' protective clothing will only provide limited protection. Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Wear positive pressure self-contained breathing apparatus (SCBA). Water spray may be used to cool containers exposed to fire.

**Section 6: Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures**

- Personal Precautions**
  - Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material.

- Environmental precautions**
  - Avoid run off to waterways and sewers.

**Methods and material for containment and cleaning up**

- Containment/Clean-up**
  - Recover free liquid for recycle or disposal. Add absorbent to spill area.
- Measures**
  - LARGE SPILLS: Dike far ahead of liquid spill for later disposal.

**Section 7: Handling and Storage**

**Precautions for safe handling**

- Handling**
  - Do not mix or store with strong oxidants. Wash hands thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.

**Conditions for safe storage, including any incompatibilities**

- Storage**
  - Store in a dry, well ventilated place. Keep container tightly closed when not in use. Keep away from open flame and incompatible materials such as strong oxidizers.

**Incompatible Materials**

- Contains alkanolamine. Do not mix with or add nitrites as this could form nitrosamines, some of which are animal carcinogens.

**General Industrial Hygiene Considerations**

- Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating or drinking. Safety shower and eye wash should be available close to work station.

**Environmental Exposure Controls**

- Follow best practice for site management and disposal of waste. Avoid release to the environment.

**Section 8: Exposure Controls/Personal Protection**

**Exposure Controls**

PEL/TLV

| Ingredient | OSHA (PEL) | ACGIH (TLV) | Other |
|------------|------------|-------------|-------|
|            |            |             |       |

|                 |         |         |              |
|-----------------|---------|---------|--------------|
| Alkanolamine #1 | 3 mg/M3 | 6 mg/M3 | STEL 15mg/M3 |
|-----------------|---------|---------|--------------|

- Engineering**
- Use adequate mechanical (general) ventilation or local exhaust as needed
- Measures/Controls**
- to control concentration of airborne contaminants below applicable exposure limit values.

**Personal Protective Equipment Pictograms**



- Respiratory**
- Not necessary under conditions of normal use. In case of insufficient ventilation, wear suitable respiratory equipment if exposure limits are exceeded.
- Eye/Face**
- Wear safety goggles.
- Hands**
- Wear protective gloves- neoprene, butyl or nitrile rubber with cuffs.
- Skin/Body**
- Where extensive dermal exposure may be expected, either a chemical suit or chemical apron will be needed.

**Section 9: Physical and Chemical Properties**

**Information on physical and chemical properties**

|  |                    |
|--|--------------------|
| <b>Appearance</b>                          | Clear green liquid |
| <b>Odor</b>                                | Mild               |
| <b>Odor Threshold</b>                      | Not Determined     |
| <b>pH</b>                                  | 10                 |
| <b>Melting Point/Freezing Point</b>        | ~ 0°C/32°F         |
| <b>Boiling Point</b>                       | ~ 100°C/212°F      |
| <b>Flash Point</b>                         | Non-combustible    |
| <b>Evaporation Rate</b>                    | Equal to water     |
| <b>Flammability (solid, gas)</b>           | Not Applicable     |
| <b>Flammability Limits</b>                 | Not Determined     |
| <b>Vapor Pressure</b>                      | Nil                |
| <b>Vapor Density (Air=1)</b>               | >1                 |
| <b>Specific Gravity/Relative</b>           | 1.00               |
| <b>Solubilities</b>                        | Soluble in water   |
| <b>Octanol/Water Partition coefficient</b> | Not Determined     |
| <b>Auto ignition temperature</b>           | Not Determined     |
| <b>Decomposition temperature</b>           | Not Determined     |
| <b>Viscosity</b>                           | ~ 40 cSt @ 40°C    |

**Section 10: Stability and Reactivity**

- Reactivity**
- No dangerous reaction known under conditions of normal use.
- Chemical stability**
- Stable under normal temperatures and pressures.
- Possibility of hazardous reaction**
- Not Determined
- Conditions to avoid**
- Not Determined
- Incompatible materials**
- Do not mix with strong oxidants.
- Hazardous decomposition products.**
- None known under normal use.





**CERCLA Hazardous**

- None known.

**Substances**

**FDA Approval**

- Not Applicable.

**State Regulations**

**Cal. Prop. 65**

- This product may contain chemicals known by the State of California to cause cancer and/or birth defects. However, we do not routinely analyze products for impurities which may be such chemicals.

|                                      |
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| <b>Section 16: Other Information</b> |
|--------------------------------------|

**HMIS Ratings**

|                     |   |
|---------------------|---|
| Health              | 1 |
| Flammability        | 0 |
| Physical Hazard     | 0 |
| Personal Protection | B |
| <b>NFPA Ratings</b> |   |
| Health              | 1 |
| Flammability        | 0 |
| Reactivity          | 0 |

**Acronyms/Abbreviations**

- **NTP**- National Toxicology Program Report on Carcinogens (latest edition)
- **IARC**- International Agency for the Research on Cancer
- **TSCA**- Toxic Substance Control Agency

Revision Date: 01/01/2018

Previous Revision Date: 5/24/2017

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