

ATLAS WORKHOLDING

1919 N Pitcher St
Kalamazoo MI 49007

MATERIAL SAFETY DATA SHEET

Date of Preparation: October 9, 1986

Revision Number: 0

Emergency Telephone Number: (616) 384-2225

Product Name

SAWRITE

Section I: Ingredients

Name of Ingredient

Proprietary Mixture

It should be noted, none of the constituents of the product are regarded as carcinogenic by any reference cited by OSHA under 29 CFR 1910.1200

Section II: Physical Data

Boiling Point: 208 degrees F

Vapor Density: Not Determined

Specific Gravity: 0.99 kg/l

Odor: Slight

Volatiles: 6.5 % (exempting water)

pH Level: Slightly alkaline, pH 8.0 to 8.6

Vapor Pressure: As Water

Solubility in Water: Completely Misable

Appearance: Clear Liquid

Freezing Point: 32 degrees F

Evaporation Rate: As Water

Section III: Fire & Explosion Data

Flash Point: None

Flammable Limits: LFL & UFL Not Determined

Fire Fighting Equip: This product will product irritating and potentially toxic fumes containing oxides of nitrogen if exposed to extreme heat in air, if fire situation, respiratory protection should be considered.

Method Used: N/A

Extinguishing Media: Water based product

Section IV: Reactivity Data

Stability: (Conditions to Avoid) Stable under normal use conditions and in final use concentration.

Incompatibility: (Materials to Avoid) Product concentrate behaves as an aqueous solution. Product may be degraded by exposure to acid materials. Some components of the product concentrate are reactive with oxidizing or reducing materials but undiluted working solution.

Hazardous Decomposition Product: Under proper use conditions, this product is a very dilute solution of the active ingredients. Extremely small amount of oxides of nitrogen and carbon is released as the product is subjected to combustion situations.

Section V: Environmental & Disposal

Leaks & Spills: Dilute small spills with quantities of water and discard to the sanitary sewer. This product contains trace amount of residual alkanolamines. Large spill, contain with absorbent materials and institute clean-up efforts to recover the spilled liquid outlined in facility control plan.

Disposal Method: Follow all local, State, and Federal regulations.

Section VI: Health Hazard Data

Eyes: While the working solution is very dilute, the mixture may cause irritation to eyes. Eye contact should be avoided.

Skin Contact: Prolonged or repeated exposure to the stock solution may cause mild skin irritation in sensitive skin.

Ingestion: This product should not be taken internally. Provide the victim with large quantities of water and seek medical assistance.

Inhalation: Vapors may be released if stock solution of this product, as supplied, is heated above room temperature. The vapors may be irritating to respiratory passages and should be avoided.

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Section VII: First Aid

Eyes: Irrigate with flowing water immediately for at least 15 minutes. Consult medical assistance.

Skin: Wash off stock solution residues with running water. Remove contaminated clothing and wash thoroughly before re-use.

Ingestion: If the victim has ingested the stock solution, administer large amounts of water and consider medical treatment.

Inhalation: If effects occur, remove to fresh air. Consult medical authorities.

Section VIII: Handling Precautions

Exposure Guideline: OSHA has established an exposure standard for the active alkanolamine salts ingredient in the air which is: Threshold Limit Value (TLV): 3.00ppm

Under normal use conditions, this product is a very dilute aqueous solution that makes it unlikely that any user will experience the concentration level of alkanolamine derivatives approaching the OSHA limit.

Ventilation: General good ventilation should be acceptable for most situations. If vapors are generated in use conditions, local exhaust should be considered.

Respiratory Protection: None should be needed.

Skin Protection: Under normal use none should be needed. However, sensitive individuals may be suggested to wear gloves when mixing solution.

Eye Protection: Eye contact with the stock product should be avoided. Wear appropriate eye protection.

Storage: Do not store the stock solution under freezing conditions. Store drums in a dry place in a temperature range of 40 to 100 degrees Fahrenheit.

Section IX: Additional Information

Avoid unnecessary skin and eye contact with stock product, as supplied. Avoid breathing any vapors that are generated by stock product. Do not contaminate food or drink. This product is not thought to be a serious carcinogenic threat. The active ingredient in this product has not been listed by OSHA, ACGIH, National Cancer

Institute (NC), National Toxicology Program (NTC), the Environmental Protection Agency (USEPA) or the International Agency for Research on Cancer (IARC) as a carcinogen. While the concentrated form of the active ingredient in this product is a skin and inhalation irritant, the actual concentration found in the eventual working solution are very dilute reducing the hazard potential of the active alkanolamine ingredients to the level of insignificant.

Section X: Comments

The information in this MSDS was obtained from sources that we believe are reliable. However, this information is provided without any representation or warranty, express or implied, regarding the accuracy or correctness of this information.

The conditions or methods of handling, storage, use and disposal of this product are beyond our control and may be beyond our knowledge. For these and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use or disposal of this product once sold and delivered.
