

Material Safety Data Sheet

SECTION 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: VA DF 8170

Chemical Family: Water Based Defoamer

Manufacturer's Name: Siemens Industry, Inc. - Water Technologies Business Unit

Address: 2650 Tallevast Road, Sarasota, FL 34243

Product/Technical Information Phone Number: 1.941.355.2971

Medical/Handling Emergency Phone Number: CHEMTREC 1.800.424.9300
24 hours a day

Transportation Emergency Phone Number: CHEMTREC 1.800.424.9300
24 hours a day

Issue Date: June 2006

Revision Number / Date: Rev 1 April 2011

SECTION 2 – COMPOSITION INFORMATION

<u>Chemical Name</u>	<u>Percent by Weight</u>	<u>CAS#</u>
Fatty Alcohol	Confidential	Proprietary
Water	Confidential	7732-18-5

SECTION 3 – HAZARDS IDENTIFICATION

Appearance & Odor: White liquid with a mild odor.

Emergency Overview: Prolonged or repeated contact may cause skin or eye irritation. Spills of this product will make the floor slippery.

Fire & Explosion Hazards: When water is evaporated, the residue will burn. No known unusual hazards in a fire/explosion situation.

Primary Route(s) of Exposure: Skin and eyes contact and mist/vapor inhalation.

Inhalation – Acute Effects: Avoid breathing vapors or mists. Prolonged or excessive inhalation may cause respiratory tract irritation and coughing or sneezing. May cause headaches or dizziness.

Skin Contact – Acute Effects: A single, prolonged exposure it nor likely to result in the material being absorbed through the skin in harmful amounts. Prolonged or repeated skin contact may cause irritation.

Eye Contact – Acute Effects: May cause slight irritation.

Ingestion – Acute Effects: May cause gastrointestinal irritation with nausea, vomiting, and diarrhea.

Material Safety Data Sheet

SECTION 4 – FIRST AID MEASURES

Inhalation First Aid: Remove affected person to fresh air and provide oxygen if breathing is difficult. Give artificial respiration ONLY if breathing has stopped and give CPR ONLY if there is no breathing and no pulse. Obtain medical attention if cough or other symptoms develop.

Skin Contact First Aid: Immediately remove clothing from affected area and wash skin for 15 minutes with flowing water. Obtain medical attention if irritation develops or persists.

Eye Contact First Aid: Immediately irrigate eyes with flowing water continuously for 15 minutes while holding eyes open. Contacts should be removed before or during flushing. Obtain medical attention if irritation develops or persists.

Ingestion First Aid: Immediately give two glasses of water to drink. If spontaneous vomiting occurs, have affected person lean forward with head down to maintain an open breathing passage. Obtain medical attention.

Medical Conditions Aggravated: The health hazards of the product should be low under normal industrial and commercial uses.

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. Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point/Method: 350⁰ F (PMCC)

Auto Ignition Temperature: NA

Upper/Lower Explosion Limits: NA

Extinguishing Media: Water, carbon dioxide, foam, or dry powder.

Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH and full protective gear. Containers can build up pressure if exposed to fire. Dike and collect water used to fight the fire. Contaminated extinguishing water must be disposed of in accordance with applicable regulations.

Fire & Explosion Hazards: When water is evaporated, the residue will burn. No known unusual hazards in a fire/explosion situation.

Hazardous Products of Decomposition and/or Combustion: In the case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.

NFPA Ratings: HEALTH - 1 FLAMMABILITY - 1 REACTIVITY - 0

Material Safety Data Sheet

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment. Eliminate all sources of ignition - heat, sparks, flame, electricity, impact, and friction. Stop the source of the leak or release. Clean up releases as soon as possible, observing precautions in Personal Protection/Exposure Control section.

Contain spilled material and absorb spills with inert material, sand, or earth to prevent further contamination of soil, surface water, or groundwater.

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State, Local and Provincial laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

SECTION 7 – HANDLING AND STORAGE

Handling: Avoid prolonged contact with skin or eyes. Wash hands thoroughly after handling. Keep container closed when not in use. Use with adequate ventilation.

Storage: Store in a secure area. Provide appropriate ventilation. Keep container tightly closed. Do not store near combustible materials.

Storage Temperature: Store at temperatures between 40⁰ F and 100⁰ F.

SECTION 8 –PERSONAL PROTECTION/ EXPOSURE CONTROL

Respiratory Protection: If use conditions generate mists or vapors wear a NIOSH-approved respirator with organic vapor cartridges.

Skin Protection: Wear nitrile or rubber gloves to minimize skin contamination.

Eye Protection: Chemical goggles.

Ventilation Protection: Good general ventilation should be sufficient to control airborne levels.

Other Protection: Safety showers, with quick opening valves which stay open, and eye wash fountains, or other means of washing the eyes with a gentle flow of cool to tepid water, should be readily available in all areas where this material is handled or stored. Water should be supplied through insulated and heat-traced lines to prevent freeze-ups in cold weather.

Exposure Limits: Exposure limits have not been established for this product or its components.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor: White liquid with a mild odor.

Boiling Point: >212 F @ 760 mm Hg

Vapor Pressure: <17.5 mm Hg @ 68 F

Material Safety Data Sheet

Specific Gravity: 0.94 @ 25 C (77 F)

Solubility in Water: Dispersible

Density: 7.8 lbs/gal

pH: 8.5 to 9.5 @ 100 wt/wt%

Viscosity: 250 to 450 cps @ 25 C (77 F)

Evaporation Rate: <1 (Butyl Acetate = 1)

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable at ambient temperatures

Incompatibilities: Avoid contact with strong oxidizing agents.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Decomposition may produce fumes, smoke, oxides of carbon, and hydrocarbons.

Conditions to Avoid: Eliminate all sources of ignition - heat, sparks, flame, electricity, impact, and friction.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicological Data: No information available.

Carcinogenicity/Mutagenicity: No known cancer hazards.

SECTION 12 – ECOLOGICAL INFORMATION

No information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Avoid disposal into waste water treatment facilities. Material that cannot be used or chemically reprocessed and empty containers should be disposed of in accordance with all applicable regulations. Product containers should be thoroughly emptied before disposal. Generators of waste material are required to evaluate all waste for compliance with RCRA and any local disposal procedures and regulations.

NOTE: State and local regulations may be more stringent than federal regulations.

Empty Containers: Empty containers retain product residue including liquid and vapor. Empty drums should be completely drained and returned to a drum reconditioner or properly disposed.

SECTION 14 – TRANSPORTATION INFORMATION

DOT Shipping Description: Not regulated

Material Safety Data Sheet

SECTION 15 – REGULATORY INFORMATION

OSHA Hazard Communication: Not hazardous

CERCLA Hazardous Substance: no

RQ: none

SARA Hazard Categories:

Acute Health Hazard: no

Chronic Health Hazard: no

Fire Hazard: no

Pressure Release Hazard: no

Reactivity Hazard: no

TSCA: All components of this product are listed on the Inventory of Existing Chemical Substances.

SECTION 16 – OTHER INFORMATION

Disclaimer: The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the user thereof. It is the buyer's responsibility to ensure that its activities comply with federal, state, provincial, and local laws.

Revision Indicator: Legal Entity name change 04/01/11