

Material Safety Data Sheet

SECTION 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: VA DF 550

Chemical Family: Glycol Ester

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: May 2006

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SECTION 2 – COMPOSITION INFORMATION

<u>Chemical Name</u>	<u>Percent by Weight</u>	<u>CAS#</u>
Glycol Ester	100	Proprietary

SECTION 3 – HAZARDS IDENTIFICATION

Emergency Overview: Light amber liquid. No unusual hazards associated with this product.

Fire & Explosion Hazards: Material will burn in a fire. No known unusual hazards in a fire/explosion situation.

Primary Route(s) of Exposure: Eyes and skin contact. Inhalation of vapors and mists.

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

Skin Contact – Acute Effects: Prolonged or repeated skin contact may cause irritation.

Eye Contact – Acute Effects: May be irritating to the eyes.

Ingestion – Acute Effects: Essentially non toxic.

SECTION 4 – FIRST AID MEASURES

Inhalation First Aid: Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen. Get medical attention if cough or other symptoms develop. Give artificial respiration ONLY if breathing has stopped and give CPR ONLY if there is no breathing and no pulse. Obtain medical attention.

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

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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 persists.

Ingestion First Aid: If spontaneous vomiting occurs, have affected person lean forward with head down to maintain an open breathing passage. Obtain medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point/Method: PMCC 240.8° F

Auto Ignition Temperature: Not available

Upper/Lower Explosion Limits: Not available

Extinguishing Media: Dry powder, foam, carbon dioxide, or water spray.

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

Fire & Explosion Hazards: Material will burn in a fire. No known unusual hazards in a fire/explosion situation.

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

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

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Safeguards: 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 Exposure Controls/PPE. Contain liquid to prevent further contamination of soil, surface water or ground water.

Initial Containment: Contain spilled material. Absorb spills with inert material.

Large Spills Procedure: Contain spilled material with sand or earth. Avoid runoff into storm sewers and ditches which lead to waterways. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

SECTION 7 – HANDLING AND STORAGE

Handling: Follow all MSDS/Label precautions even after container is emptied because they may retain product residues. Avoid prolonged contact with skin or eyes. Wash hands thoroughly after handling. Handle in secure area, provide appropriate ventilation.

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Storage Temperature: Store at temperatures between 32 – 100° F

General Comments: Keep container tightly closed. Do not store near combustible materials. Avoid extreme temperatures. Keep from freezing.

SECTION 8 –PERSONAL PROTECTION/ EXPOSURE CONTROL

Respiratory Protection: Good general ventilation should be sufficient to control airborne levels. Avoid prolonged inhalation of vapors. When there is potential for airborne exposure in excess of applicable limits, wear NIOSH/MSHA approved respirators with organic vapor cartridges.

Skin Protection: Impervious rubber or neoprene gloves. Skin contact should be minimized.

Eye Protection: Chemical goggles.

Ventilation Protection: Provide adequate ventilation to minimize worker exposure.

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 available near areas where this material is handled or stored.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor: Light amber, viscous liquid.

Boiling Point: 116°C @ 760 mmHg

Solubility in Water: Dispersible

Specific Gravity: 0.97 @ 25C

pH: 6.3 @ 5wt/wt%

Other: Density 8.05 lbs/gal

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable under normal application conditions.

Incompatibilities: Avoid contact with strong oxidizing agents and strong bases.

Polymerization: Hazardous polymerization will not occur.

Decomposition: No hazardous decomposition identified.

Conditions to Avoid: Eliminate sources of ignition.

SECTION 11 – TOXICOLOGICAL INFORMATION

No information available

SECTION 12 – ECOLOGICAL INFORMATION

No information available.

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SECTION 13 – DISPOSAL CONSIDERATIONS

General Product Information – Avoid disposal of large quantities into wastewater treatment facilities. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. Contain and collect using absorbent material if needed. Flush residuals to drain for normal biological treatment. Place collected material into suitable containers for proper disposal.

Component Waste Numbers – No EPA Waste Numbers are applicable for this product's components.

SECTION 14 – TRANSPORTATION INFORMATION

DOT Shipping Description: Not regulated.

SECTION 15 – REGULATORY INFORMATION

OSHA Hazard Communication: Not hazardous

SARA 311 Categories:

Immediate (Acute) Health Effects:	No
Delayed (Chronic) Health Effects:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactivity Hazard:	No

WHMIS Hazard Symbols: None

US TSCA: This product and all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA)

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