

# MATERIAL SAFETY DATA SHEET

## Curtis/GlenChem Corp.

Eddystone Industrial Park  
2000 Industrial Highway  
Eddystone, PA 19022-1513

Product: **VC - 2**

Daytime Telephone: (610) 876-9906  
24 Hour Emergency: CHEMTREC® (800) 424-9300

MSDS No.: F2500 - Rev 3.0      Date: 08/96  
Replaces - Rev 2.1      11/95  
Reason - Changes in Section 10

### -- SECTION 01 - IDENTIFICATION AND INFORMATION --

Product or Trade Name: ..... VC - 2  
Chemical Name/Synonym: ..... PROPRIETARY BLEND  
Chemical Family: ..... ALKALINE BLEND  
Formula: ..... PROPRIETARY  
Product Code: ..... F2500

HMIS  
Hazard Rating:                      Legend:  
Health: ..... 2                      0 - Least  
Fire: ..... 1                        1 - Slight  
Reactivity: ..... 0                   2 - Moderate  
   3 - High  
   4 - Extreme

Product Description: Cleaner/Lubricant

### -- SECTION 02 - PHYSICAL DATA --

Boiling Point: ..... Not Determined  
Vapor Pressure: ..... Not Applicable for this material  
Vapor Density: ..... Not Applicable for this material  
Appearance: ..... Clear amber liquid  
pH: ..... 9.45 ± 0.1 , as received

Solubility in Water: ..... Complete  
Specific Gravity: ..... 1.002(H<sub>2</sub>O=1)  
% Volatile by Volume: ..... 0.375  
Odor: ..... Detergent

### -- SECTION 03 - HAZARDOUS COMPONENTS --

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>% Range</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
*Diethanolamine	111-42-2	5-15	3 ppm, TWA	3 ppm, TWA
Fatty Amide	68603-42-9	1-5	None Established	None Established
Inert and/or non-hazardous components	-----	~80	-----	-----

\*Component hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200) or one or more state Right-To-Know lists.

### -- SECTION 04 - FIRE AND EXPLOSION HAZARD DATA --

Flash Point: ..... None (will not support combustion).  
Extinguishing Media: ..... Small Fire: CO<sub>2</sub>, water fog, dry chemical; Large Fire: Alcohol-type or all-purpose-type foam.  
Special Fire Fighting Procedures: ..... Use self-contained breathing apparatus; water may be used to cool adjacent containers.

### -- SECTION 05 - REACTIVITY DATA --

Stability: ..... Stable.  
Incompatibility: ..... Strong oxidizers.  
Hazardous Decomposition Products: ..... Carbon monoxide may form upon thermal degradation.  
Hazardous Polymerization: ..... Will not occur.

- Continued on following page -

**-- SECTION 06 - SPILL, LEAK, AND DISPOSAL PROCEDURES --**

Small Spills: Absorb with sand or inert material; scoop up and dispose to proper container.  
Large Spills: Prevent spread of spill by dyking. Salvage uncontaminated material if possible. Absorb remainder of spill with inert material; scoop up and dispose to proper container.

ALWAYS DISPOSE OF MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES FOR THAT TYPE OF MATERIAL.

**-- SECTION 07 - HEALTH HAZARD DATA --**

EYE CONTACT: ..... May cause irritation. Severe irritation or corneal injury may occur if not irrigated immediately.  
SKIN CONTACT: ..... Prolonged contact may cause dryness and dry skin irritation.  
INHALATION: ..... Situation not normally encountered. Mist may cause irritation of respiratory tract, nausea, and coughing.  
INGESTION: ..... May cause irritation of gastrointestinal tract, including nausea, diarrhea, abdominal pain.  
EFFECTS OF OVEREXPOSURE: ..... Chronic overexposure may cause dermatitis. Diethanolamine, a 3% component in this product, has caused  
liver and kidney damage in laboratory animals when tested at 100% over a period of time.

**-- SECTION 08 - FIRST AID --**

EYES: ..... Flush with water for a minimum of 15 minutes (industry safety standard for all materials). Seek medical attention if irritation persists.  
SKIN: ..... Flush with water; wash with soap and water after handling.  
INHALATION: ..... Remove to fresh air.  
INGESTION: ..... Administer several glasses of water to drink. DO NOT INDUCE VOMITING - Seek medical attention.  
*Never give anything by mouth to an unconscious person.*

**-- SECTION 09 - SPECIAL HANDLING INFORMATION --**

VENTILATION: ..... None normally required; product normally does not produce vapors or mist.  
RESPIRATORY PROTECTION: ..... None normally required; NIOSH approved respirator for mist conditions.  
PROTECTIVE CLOTHING: ..... Impervious gloves when mixing or handling.  
EYE PROTECTION: ..... Tight fitting or chemical workers goggles if splashing is anticipated.

**-- SECTION 10 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION --**

HANDLING AND STORAGE: Do not breathe vapors or mist. Do not allow contact with eyes, or leave in contact with skin for prolonged periods. Wash contaminated clothing prior to re-use. Do not allow contact with oxidizers. Do not re-use empty containers for storage of foodstuffs or potable water. For returnable drums or drums set aside for a reconditioner, empty each drum as completely as possible and fit bungs tightly with undamaged closures. D.O.T. regulations do not permit transport of open or partially filled containers.

D.O.T.: Shipping Information: Shipping Name: Cleaning Liquid, Unregulated

TSCA - The ingredients in this material are listed on the TSCA Inventory.  
SARA Title III Information (for diethanolamine as a component of this material): A) Sections 311/312 - Acute, Chronic; B) Section 313 - Listed ; C) Section 302 - Not Listed as an Extremely Hazardous Substance.  
CERCLA Information (for the diethanolamine component): Listed in Table 302.4 of 40 CFR Part 302 as a hazardous substance with NRC RQs of 1-AIR.  
TOXICOLOGY INFORMATION: Fatty Amide: Acute oral LD50 = 2.7 g/kg (rat)  
Diethanolamine: Acute oral LD50 = 710 mg/kg (rat); Acute dermal LD50 = 12.2 g/kg (rabbit)  
IARC: Listed; NTP: Not Listed; OSHA Subpart Z: Removed from the source tables (removed from the list).

Abbreviations Used in this Material Safety Data Sheet: < = Less Than; > = Greater Than; N/A = Not Applicable; N/E = Not Established; N/L = Not Listed; N/D = Not Determined; TWA = Time Weighted Average; STEL = Short Term Exposure Limit; PEL = Permissible Exposure Limit; NIOSH = National Institute of Occupational Safety & Health; OSHA = Occupational Safety & Health Administration; ACGIH = American Conference of Government and Industrial Hygienists; NTP = National Toxicology Program; IARC = International Agency for the Registration of Carcinogens; TSCA = Toxic Substance Control Act; SARA = Superfund Amendment Reauthorization Act; RQs = Reportable Quantities; CERCLA = Comprehensive Environmental Response Compensation and Liability Act; NRC = National Response Center; RCRA = Resource Recovery and Conservation Act.

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