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**MATERIAL SAFETY DATA SHEET**

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Revised 2/02/04  
Replaces 8/12/03  
Printed 2/03/04

**TENDEC VC87****MSDS ID: 57411**

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**I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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Product Name: TENDEC VC87

Product Descriptor: WETTING AND FOAM CONTROL ADDITIVE

MANUFACTURER: JOHNSON DIVERSEY, INC.  
3630 E. KEMPER ROAD  
CINCINNATI, OH. 45241EMERGENCY PHONE NUMBER: (800)851-7145

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**II. HAZARDOUS COMPONENTS**

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| Component Name | CAS Number | % | Exposure Limits | Units |
|----------------|------------|---|-----------------|-------|
|----------------|------------|---|-----------------|-------|

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NONE

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**III. HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW:**

CAUTION - Contains cleaning agents that may cause eye irritation. May be harmful if swallowed. Do not get in eyes. Do not take internally.

POSSIBLE ROUTES OF ENTRY: Inhalation and ingestion.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

ACUTE: EYES: Irritation with pain, swelling and redness may develop.

SKIN: Irritation or dryness develops with long contact. INGESTION: If swallowed, gastric distress, diarrhea, nausea and vomiting may occur. INHALATION: May cause irritation of respiratory tract.

CHRONIC: Same as acute effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis or sensitive skin.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes

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**IV. FIRST AID MEASURES**

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EYES: Immediately flush with plenty of water. Get medical attention.

SKIN: Rinse off product and wash with mild soap and water.

INGESTION: Do not take internally. If swallowed, drink several glasses of water. Do not induce vomiting. Contact a physician or Poison Control Center. NOTE: Never give fluids by mouth to an unconscious person.

INHALATION: Remove to fresh air and seek medical attention.

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**V. FIRE FIGHTING MEASURES**

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FLASH POINT (degrees F): &gt;400

FLAME EXTENSION: N/A

FLAMMABLE LIMITS IN AIR BY VOLUME:

LEL: N/E

UEL: N/E

UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Toxic fumes or vapor may form during fire.

EXTINGUISHING MEDIA: Water spray, CO2, foam or dry powder.

FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus (SCBA) in fire area.

SPECIAL INSTRUCTIONS: Spilled product may cause slippery surface and fall hazard.

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## VI. ACCIDENTAL RELEASE MEASURES

## IF MATERIAL IS RELEASED OR SPILLED:

Contain spill. Wear protective clothing. Soak up or absorb liquid on suitable absorbent material. Collect and place in chemical waste container. Dispose of in accordance with local, State and Federal regulations. Flush spill area with water.

This product does not contain a reportable quantity (RQ) under CERCLA.

## VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Store in a cool dry area. Keep from freezing. If frozen, thaw and mix to make usable. Do not pressurize container to empty. Keep container closed when not in use.

## VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Safety glasses with side shields. Chemical goggles if contact or splash hazard exists.

PROTECTIVE GLOVES: Liquid proof rubber or neoprene gloves. Avoid cotton, wool and leather.

RESPIRATORY PROTECTION: Product does not have any established exposure limits. NIOSH/MSHA approved respirator recommended in enclosed or confined spaces where high air concentration or long exposure may occur.

OTHER PROTECTIVE CLOTHING/EQUIPMENT: Eyewash and safety shower in area if contact or splash hazard exists.

ENGINEERING CONTROLS:

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

## IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear, colorless liquid, musty odor.

BOILING POINT (DEG F): 214 F

FREEZING POINT: <40 F

SPECIFIC GRAVITY/BULK DENSITY: 1.044

pH: 6.3

pH 1% SOLUTION: 6.5%

VOLATILE BY VOLUME: 45%

SOLUBILITY IN WATER: Soluble

VAPOR PRESSURE(mmHg): 17.5 at 20 C

VAPOR DENSITY: 17.3

## X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizing agents; Chlorine and chlorinated compounds

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms; oxides of carbon

HAZARDOUS POLYMERIZATION: None known.

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**XI. TOXICOLOGICAL INFORMATION**

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TOXICOLOGICAL TESTING: No data available.  
TOXICITY TEST DATA:  
No data available.

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**XII. ECOLOGICAL INFORMATION**

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ECOTOXICITY TEST DATA:  
No data available.  
ENVIRONMENTAL FATE: No data available.

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**XIII. DISPOSAL CONSIDERATIONS**

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RCRA REGULATED: Not Regulated.  
Discharge diluted product to industrial sewer in accordance with discharge permit or local POTW regulations. Use product in container until empty. Rinse container with water. Recycle or dispose of container according to product labeling or governmental regulations.

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**XIV. TRANSPORT INFORMATION**

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Please refer to the Bill of Lading/receiving documents for up to date shipping information.

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**XV. REGULATORY INFORMATION**

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U.S. Federal Regulations:  
TSCA: All ingredients in this product are on TSCA inventory.  
HAPS: None  
VOC CONTENT (EPA Method 24A): % VOC: 5%                      Lb/Gal VOC: 0.43  
CERCLA/EPCRA:  
    Section 313 Toxic Chemicals:  
        None  
SARA Section 311/312:  
ACUTE: YES              CHRONIC: NO              FIRE: NO              REACTIVITY: NO  
                            SUDDEN RELEASE OF PRESSURE: NO  
LISTED CARCINOGEN: None  
    NTP: No              IARC: No              OSHA: No  
HMIS RATINGS: HEALTH: 1              FIRE: 1              REACTIVITY: 0  
                            PERSONAL PROTECTIVE EQUIPMENT: B  
NFPA RATING: HEALTH: 0              FIRE: 1              REACTIVITY: 0              SPECIAL: None  
STATE RIGHT-TO-KNOW INFORMATION:  
WATER - CAS #7732-18-5  
PROPYLENE GLYCOL - CAS #57-55-6  
ALCOHOL ETHOXYLATE - CAS #9003-11-6  
CALIFORNIA PROPOSITION 65:  
None of the ingredients are on the California proposition 65 list.

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**XVI. OTHER INFORMATION**

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DISCLAIMER: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the handling, and use.