

1. IDENTIFICATION OF SUBSTANCE & COMPANY IDENTIFICATION:

Product **VIRUDET N Manual**
Use A Neutral Medium Foam Detergent Cleaner for use in Manual Cleaning of Medical Devices
Product Code J78*M

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2. HAZARDS IDENTIFICATION.

Product is classed as Corrosive and Harmful according to EC Regulation 1272/2008 taking account of GHS classification and labelling criteria, including subsequent amendments up to the date of this document.

Common sense precautions should be observed during handling and use.

Components not listed at section 3 are either non hazardous or present at levels below that requiring detailed disclosure.

GHS H-Statements:

Acute tox 4; H302 Harmful if swallowed
Eye dam 1; H318 Causes serious eye damage

Supplementary Information

EUH 208 Contains a mixture of: 5-chloro-2-methyl-2h-isothiazol-3-one [ec no 247-500-7] and 2-methyl-2h-isothiazol-3-one [ec no 220-239-6]. May produce an allergic reaction.

Signal Word: Danger

Symbol :

**Precautionary Phrases**

P264 Wash thoroughly after handling
P280 Wear protective gloves and eye protection
P337+313: If eye irritation persists: Get medical attention.
P302+352: IF ON SKIN: Wash with plenty of water/soap and water.
P301+330+331: If SWALLOWED; rinse mouth. Do not induce vomiting.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+313: If skin irritation or rash occurs: Get medical advice.
P362+364: Take off contaminated clothing and wash before reuse.

EMERGENCY OVERVIEW:

Clear pale brown odourless liquid. Non-flammable.

3. COMPOSITION AND INFORMATION ON INGREDIENTS.

Constituents: An aqueous blend of surfactants, corrosion inhibitors, preservative and scale inhibitors.

Hazardous Ingredients

Components	CAS No	EINECS No	Content (% w/w)	Classification (EC Reg 1272/2008)
Alcohols, C12-13, ethoxylated, branched & linear	160901-19-9	500-457-0	7 to 10	Acute Tox 4; H302 Eye dam 1; H318
Alcohols, C10, Ethoxylated with 9MEO	166736-08-9	----	7 to 10	Acute Tox 4; H302 Eye Dam 1; H318
2-phosphonobutane-1,2,4-tricarboxylic acid	37971-36-1	253-733-5	0.5 to 1	Met Corr 1; H290 Eye Irrit 2; H319
Sodium hydroxide	1319-73-2	215-185-5	0.1 to 1	Skin Corr 1A; H314

For full text of H statements given in this Section refer Section 16

Ingredients according to EC Directive 648/2004 Annex VII

15% to 30% : Non-ionic surfactants,

Less than 5% : Polycarboxylates,

Preservative (Isothiazole-3-one),

4. FIRST AID**Actions:****General:**

If you feel unwell seek medical advice (show this information or the container label where possible).

Eye: Irrigate with flowing water immediately and continuously for at least 15 minutes. Seek medical advice if irritation persists.

Skin: Wash affected area with soap and water. Launder contaminated clothing, etc. before reuse. Seek medical advice if irritation develops

Ingestion: Do not induce vomiting unless instructed to do so by medical personnel. Rinse mouth with water and give water or milk to drink. Seek medical advice if discomfort persists.

Inhalation: If mist or spray is inhaled, remove to fresh air. Rest and keep warm. Seek medical advice if discomfort occurs

Symptoms:

In contact with eyes: May cause redness, irritation and serious damage if not washed out immediately.

In contact with skin: Prolonged contact may cause irritation followed by dryness and cracking.

Inhaled: Mist or spray may cause irritation and soreness to mouth, nose, throat and respiratory tract.

Ingested: Mouth and throat will be sore and may cause upset stomach..

Note to physician:

Treat by observation and supportive measures as indicated by the patient's condition.

No specific antidote.

5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA: Non-flammable and will not support combustion

MEDIA TO BE AVOIDED: None.

HAZARDOUS COMBUSTION PRODUCTS: During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to:

Oxides of carbon and nitrogen

FIRE FIGHTING INSTRUCTIONS: In the event of an adjacent fire, cool containers with water spray.

6. ACCIDENTAL RELEASE MEASURES.

PROTECT PEOPLE: Wear suitable protective clothing including eye protection, gloves.

PROTECT THE ENVIRONMENT: Do not allow large quantities to enter drains or watercourses.

CLEAN UP: Contain spillage using earth, sand or absorbent granules. Remove contaminated material to plastic containers and thence to a safe location for subsequent disposal in accordance with local waste regulations.

Final traces or small spillages may be flushed away to foul sewer with water.

7. HANDLING AND STORAGE.

HANDLING: Use only in accordance with label instructions and wear appropriate protective clothing. When using do not eat, drink or smoke. Avoid contact with eyes and skin

STORAGE: Do not store containers in open sunshine and keep away from heat. Store at a temperature between 5°C and 35°C. Keep container closed when not in use. Keep away from foodstuffs and drinks.

8. EXPOSURE CONTROL/PERSONAL PROTECTION.**WORKPLACE EXPOSURE GUIDELINES:**

STATE	Component	LTE (8h TWA)	STE (15 Minute TWA)	Comment
UK HSE EH 40	Sodium hydroxide	---	2 mg/m ³	

ENGINEERING CONTROLS: Good general ventilation should be sufficient for most conditions. When using, do not eat, drink, or smoke.

PERSONAL PROTECTIVE EQUIPMENT:

Eye/face protection: Use chemical goggles or face shield if pressure washing or the risk of splashes is a concern. Eyewash stations should be provisioned.

Skin protection: Use suitable protective clothing, gloves/coveralls, for periods of prolonged contact. Butyl or nitrile rubber gloves are suitable. Use aprons if splash protection is required during prolonged exposure.

Respiratory protection: Not normally required.

9. PHYSICAL AND CHEMICAL PROPERTIES.

Property		Typical Value
APPEARANCE		Clear colourless liquid
ODOUR		Very slight detergent odour
pH	@ 20 °C Neat 1% solution	8.0 7.0
DENSITY	g/cm ³ @ 20 °C	1.02
SOLUBILITY	g/L @ 20 °C	Completely miscible
FLAMMABILITY	°C Open Cup, Explosivity - lower limit % - Upper limit % Auto ignition Temp, °C	None Not applicable Not applicable Not established
THERMAL DECOMPOSITION	°C	Not established

10. STABILITY AND REACTIVITY

REACTIVITY Stable

CHEMICAL STABILITY: Stable under recommended storage and use conditions.

CONDITIONS TO AVOID: None.

INCOMPATIBILITY WITH OTHER MATERIALS: Do not mix with strong acids or oxidising materials.

HAZARDOUS DECOMPOSITION: Does not normally decompose.

11. TOXICOLOGICAL INFORMATION:**Toxicological effects:****Components:**

Alcohols, C12-13, ethoxylated, branched & linear	LD50 (Rat, Oral)	2000 mg/kg
	LD50 (Rat, Dermal)	>2000 mg/Kg
C10 Alcohol ethoxylate with 9MEO	LD50 (Rat, Oral)	300-2000 mg/kg

Mixture: No significant health hazard when properly used for the application it was designed for.

See Section 4 for exposure symptoms.

Not sensitizing and is not mutagenic

Routes of exposure:

Skin, Eye contact,

Inhalation or Ingestion

12. ECOLOGICAL INFORMATION.**Eco Toxicity**

C10 Alcohol ethoxylate with 9MEO	EC50 (Daphnia magna, 48h)	10 – 100 mg/L
Alcohols, C12-13, ethoxylated, branched & linear	LC50 (zebrafish, 96 h)	10 – 100 mg/L

ENVIRONMENTAL FATE (MOVEMENT AND PARTITIONING):

Completely miscible in water. Non bio-accumulative

DEGRADATION AND PERSISTENCE (ECOTOXICITY):

Product is deemed to be biodegradable under OECD criteria (Test 301B, 28day) and will pose little danger to the environment or aquatic organisms.

The surfactant(s) contained in this preparation comply with the biodegradability requirements as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the member states and will be made available to them, at their direct request or at the request of a detergent manufacturer.

PBT & vPvB ASSESSMENT

Does not contain any PBT or vPvB substances

13. DISPOSAL CONSIDERATIONS.

DISPOSAL: Do not discharge into surface drains, on the ground or into any body of water. All disposal methods must be in compliance with local laws and regulations. (Regulations may vary in different locations.)

Diluted solutions may be safely disposed of by the foul sewer and will not pose any problems to waste water treatment facilities, however prior consent should be sought if significant quantities are to be disposed of.

For unused and uncontaminated product, the preferred disposal options include sending to a licensed, permitted recycler or reclaimer.

Packaging containers are recyclable. Rinse out well with water and send for recycling or dispose of in accordance with local authority requirements.

14. TRANSPORT INFORMATION

UN No:

Proper Shipping Name:

Hazard Classification: Not hazardous & Not regulated for transport

Packaging Group:

Marine Pollutant:

Label for Carriage: None

15. REGULATORY INFORMATION.

This Safety Data Sheet is provided in compliance with the European REACH Directive (1907/2006/EC) and is in agreement with the GHS (Globally Harmonised System) for the classification and labelling of Dangerous Chemicals. This safety data sheet is distributed solely for the purpose of the Health and Safety at Work Act 1974; included under this heading is article 10 of Directive 88/379/EEC.

Components that make up this product are registered, or are not required to be listed, with:

EUROPEAN INVENTORY OF NEW AND EXISTANT CHEMICAL SUBSTANCES (EINECS), and

TOXIC SUBSTANCES CONTROL ACT (TSCA).

REACH – Regulation 1907/2006/EC, The raw materials used within this preparation have been pre-registered in accordance with the requirements of REACH

Regulatory References:

UN Globally Harmonised System for Classification & Labelling GHS ST-SG-AC10-30

UK Occupational Exposure Limits Guidance Note EH40

16. OTHER INFORMATION.

The data contained in this data sheet is based on Amity's present knowledge of the health and safety properties of the product, and is believed to be accurate and given in good faith.

The physical and chemical properties are typical values only and do not constitute the specification of the product, which will be agreed separately.

The data given here only applies when product is used for proper application(s). The product is not sold as suitable for applications other than those identified at section 1, usage as such may cause risks not mentioned in this sheet.

It is for the customer to satisfy itself on the suitability of the product for its own particular purpose. Amity gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded, except to the extent that law prevents such exclusion.

OTHER INFORMATION. (Continued)**Hazard Phrases used in Sections 3 and not stated at Section 2:**

H290	May be corrosive to metals
H319	Causes serious eye irritation

The following definitions of terms and abbreviations used within this document are used:

NTP: National Toxicology Programme (US);

IARC: International Agency for Research on Cancer;

EINECS: European Inventory of New and Existent Chemical Substances;

IARC: International Agency for Research on Cancer;

OSHA: Occupational Safety & Health Administration (US);

OECD: Organisation for Economic Co-operation and Development;

ACGIH: American Conference of Governmental Industrial Hygienists;

CAS: Chemical Abstracts Number;

STOT SE Specific Target Organ Toxicity – Single Exposure

STOT RE Specific Target Organ Toxicity – Repeated Exposure

PBT: Persistent, Bio-accumulative and Toxic

vPvB: Very persistent and very bio-accumulative

OES: Occupational Exposure Standard.

TLV: Threshold Limit Value.

TWA: Time Weighted Average.

LTEL: Long Term Exposure Limit

STEL: Short Term Exposure Limit.

HSE: Health & Safety Executive (UK)

LEV: Local Exhaust Ventilation

It is the responsibility of the user to ensure safe working conditions. The health hazards and general information contained within this material safety data sheet are given as a guide to the precautions required to maintain a safe working environment.