



SAFETY DATA SHEET

PRODUCT NAME **ANSUL JET-X HIGH EXPANSION FOAM CONCENTRATE**

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product Name Ansul Jet-X High Expansion Foam Concentrate
Recommended Use High Expansion Foam Concentrate
Name of the Supplier Tyco Safety Products
Address 8 Henderson Place
 Onehunga
 Auckland 1061

 Private Bag 93011
 New Lynn
 Auckland 0640

Telephone Number +64 9 6350755
Fax +64 9 2592485
Emergency Telephone 'CHEMCALL' - 0800243622

2. HAZARD IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO HAZARDOUS SUBSTANCES (CLASSIFICATION) REGULATIONS 2001

HAZARD CLASSIFICATION
Overall Substance Classification

6.3B Substances that are mildly irritating to the skin.
6.4A Substances that are irritating to the eye.
9.1D Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action.

HAZARD STATEMENTS

H316 Causes mild skin irritation.
H320 Causes eye irritation.
H333 May be harmful if inhaled.
H413 May cause long lasting harmful effects to aquatic life.

PRECAUTIONARY STATEMENTS

P103 Read label before use. Read Safety Data Sheet before use.
P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.

RESPONSE STATEMENTS

P312 Call a POISON CENTER or doctor/physician if you feel unwell
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P313

If eye irritation persists: Get medical advice/attention.

P391

Collect spillage.

PRODUCT NAME

ANSUL JET-X HIGH EXPANSION FOAM CONCENTRATE

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Content
Proprietary mixture consisting of Ammonium salts of fatty alcohol sulphates or ether sulphates (C8-C10), higher alcohols and inorganic salts	Mixture	40-50%
Water	7732-18-5	55-65%

4. FIRST AID MEASURES

Eye Contact	Flush with large amount of water. If irritation persists, seek medical attention.
Skin Contact	Wash with soap and water. If irritation persists, seek medical attention.
Inhalation	Remove victim to fresh air. Seek medical treatment if discomfort continues.
Ingestion	If patient is conscious, give large amount of water and induce vomiting. Seek medical help

5. FIRE FIGHTING MEASURES

Special Fire Fighting Procedure	No specific measures are required as this product is a fire extinguishing medium.
Respiratory Protection	Use mechanical filter respirator if exposure is prolonged.
Protective Gloves	Use impervious gloves.
Eye Protection	Goggles and/or face mask.
Other Protective Equipment	Use impervious overalls or apron.

6. ACCIDENTAL RELEASE MEASURES

Accidental Released/ Spills	Absorb spillage and transfer to a container for recovery or disposal.
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7. HANDLING AND STORAGE

Precautions for safe handling	Handle with care to avoid spillage
Other Precautions	Do not mix fire protection agents.
Incompatibility	No reactions known.

8. EXPOSURE CONTROLS

Exposure Limits	See Toxicology
Nuisance dust limit	Not applicable
Ventilation	Recommended
Local Exhaust	Recommended
Mechanical (General)	Recommended
Personal Protective	Equipment:
Protective Gloves	Use impervious Gloves
Eye Protection	Chemical goggles recommended.
Other Protective Equipment	Use impervious overalls or apron.
Respiratory Protection	Use mechanical filter respirator if exposure is prolonged.

9. PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance	Clear Blue Liquid
Odor	Mild Sweet Odor
pH	6.0-7.0
Boiling Point	99°C initial
Flammability (solid/gas)	Non flammable
Explosive Properties	Not explosive
Oxidizing Properties	Not an oxidizer
Solubility:	
Water Solubility	Soluble
Fat Solubility	Not Soluble
Partition coefficient n-octanol/water	Not determined
Viscosity	3 – 10 Cs
Vapour Density (Air = 1)	Not determined
Evaporation Rate (Butyl Acetate =1)	Approx 0.005
Auto Ignition Temperature	Does not ignite

10. STABILITY AND REACTIVITY

Materials to avoid	Reactive metals, electrically energized equipment, water reactive materials or strong oxidizers.
Hazardous decomposition Products	Normally stable Hazardous polymerization will not occur Hydrogen Sulphide may be produced during bacterial decomposition under anaerobic conditions

11. TOXICOLOGICAL INFORMATION

The toxicity of this product has not been determined

Health Hazard Summary Low toxicity - Irritant. This product has the potential to cause adverse acute and chronic health effects with over exposure, however given product dilution in end use and application over exposure is not anticipated with normal use. Take extra care when handling concentrate

Threshold Limit Value Limit Values for Exposure:
 Ethanol (Ethyl Alcohol):
 ACGIH TLV-TWA: 1000 ppm.
 OSHA PEL (General Industry) 8 hour TWA: 1000 ppm (1900 mg/m³). Routes of Entry:

Eye Contact: Mildly irritating for short periods of time.

Skin Contact: May be mildly irritating.

Inhalation: Treat as a mineral dust. Irritant to the respiratory tract. Transient cough, shortness of breath.

Ingestion: Practically non-harmful.

Signs & Symptoms – Acute: Mildly irritating to eyes, skin and respiratory tract.

Overexposure

Signs & Symptoms – Chronic: Chronic fibrosis of the lung, pneumocomiosis.

Overexposure

12. ECOLOGICAL INFORMATION

Environment Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.

Ecotoxicity Toxic to fish. **Persistence** Not persistent

Degradability Biodegradable

Mobility Foam will be highly visible

In the event of large spillage, advise appropriate authority

13. DISPOSAL CONSIDERATIONS

Waste Disposal Export the substance from New Zealand as waste ; or Treat the substance so that it is no longer a hazardous substance ; or Discharge the substance into the environment so that, after reasonable mixing, the concentration of the substance in an environmental medium does not exceed any relevant tolerable exposure limit and/or environmental exposure limit set for the substance or any of its components.

Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

**NOT CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO LAND TRANSPORT RULE: DANGEROUS GOODS 2005
 NZS 5433:2007, UN, IMDG OR IATA**

Shipping Name None Allocated

UN No. None Allocated

Pkg Group None Allocated

DG Class

None Allocated

Hazchem Code

None Allocated

Subsidiary Risk(s) None Allocated

EPG

None Allocated

15. REGULATORY INFORMATION

Approval Code: HSR002573

Group Name: Fire Fighting Chemicals Group Standard 2006

HSNO Controls: Refer to the ERMA website for more information: www.ermanz.govt.nz

16. OTHER INFORMATION

Additional Information**ABBREVIATIONS:**

ADB - Air-Dry Basis. BEI - Biological Exposure Indice(s) CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds. CNS - Central Nervous System. EINECS - European Inventory of Existing Commercial chemical Substances. IARC - International Agency for Research on Cancer. M - moles per litre, a unit of concentration. mg/m³ - Milligrams per cubic metre. NOS - Not Otherwise Specified. NTP - National Toxicology Program. OSHA - Occupational Safety and Health Administration. pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline). ppm - Parts Per Million. RTECS - Registry of Toxic Effects of Chemical Substances. TWA/ES - Time Weighted Average or Exposure Standard.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare an SDS report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this SDS report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Report Status

This document has been compiled by the retailer of the product and serves as the retailers Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to the retailer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the retailer.

While Tyco has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Tyco accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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