



SAFETY DATA SHEET

This safety data sheet complies with the requirements of: WHS regulation 2011

Product name JET-X 2 % High Expansion Foam Concentrate

Section 1: Identification: Product identifier and chemical identity

Product identifier

Product name JET-X 2 % High Expansion Foam Concentrate

Product code 436131

Other means of identification

Pure substance/mixture Mixture

Recommended use of the chemical and restrictions on use

Sold to the general public No

Recommended use No information available

Uses advised against No information available

Details of manufacturer or importer

Supplier

Johnson Controls
Level 3, 37 Dalmore Dr,
Scoresby, VIC 3178,
Australia
Tel: +1300 725 688

For further information, please contact

Product Stewardship at +1-715-735-7411

Emergency telephone number

612 9037 2994 (Australia)

Section 2: Hazard(s) identification

GHS Classification

Serious eye damage/eye irritation Category 2 - (H319)

Specific target organ toxicity — repeated exposure Category 2 - (H373)

Label elements



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Signal word
WARNING

Hazard statements

H319 - Causes serious eye irritation

H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapours/spray

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/clothing and eye/face protection

Precautionary Statements - Response

Get medical advice/attention if you feel unwell

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other hazards which do not result in classification

May be harmful if swallowed

Harmful to aquatic life

Section 3: Composition and information on ingredients, in accordance with Schedule 8

Substance

Not applicable

Mixture

Chemical name	CAS No	Weight-%
Sulfuric Acid, mono-C10-16 esters, Ammonium salts	68081-96-9	10 - 20%
Ethylene Glycol	107-21-1	10 - 20%
2-(2-Butoxyethoxy)ethanol	112-34-5	0 - 10%
Dodecan-1-ol, ethoxylated, sulfates, Ammonium salts	32612-48-9	0 - 10%
Lauryl Alcohol	112-53-8	0 - 10%

Section 4: First aid measures

Description of first aid measures

Emergency telephone number

Poisons Information Centre, Australia: 13 11 26

Poisons Information Centre, New Zealand: 0800 764 766

Inhalation

Remove to fresh air.



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Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.

Skin contact Wash skin with soap and water.

Ingestion Rinse mouth.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

Section 5: Firefighting measures

Suitable Extinguishing Media

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical

Specific hazards arising from the chemical No information available.

Special protective actions for fire-fighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labelled containers.

Precautions to prevent secondary hazards

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.



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Section 7: Handling and storage, including how the chemical may be safely used

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials Strong oxidising agents. Strong acids. Strong bases.

Section 8: Exposure controls and personal protection

Control parameters

Exposure Limits

Chemical name	Australia
Ethylene Glycol 107-21-1	10 mg/m ³ 20 ppm 52 mg/m ³ 40 ppm STEL 104 mg/m ³ STEL

Appropriate engineering controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection No special protective equipment required.

Skin and body protection No special protective equipment required.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental exposure controls No information available.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state Liquid
Appearance No information available
Colour colourless
Odour Slight.
Odour threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	7	None known



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Melting point / freezing point	No information available	None known
Initial boiling point and boiling range	100 °C	
Flash point	100 °C	
Evaporation rate	No information available	None known
Flammability	No information available	None known
Flammability Limit in Air		No data available
Upper flammability or explosive limits	No information available	
Lower flammability or explosive limits	No information available	
Vapour pressure	No information available	None known
Relative vapour density	No information available	None known
Relative density	No information available	None known
Water Solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No information available	None known
Autoignition temperature	No information available	None known
Hyphen	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
<u>Other information</u>		
Softening point	Not applicable	
Molecular weight	Not applicable	
VOC content	19.0105	
Liquid Density	No information available	
Bulk density	Not applicable	

Section 10: Stability and reactivity

Reactivity

Reactivity No information available.

Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Conditions to avoid

Conditions to avoid Extremes of temperature and direct sunlight.

Incompatible materials

Incompatible materials Strong oxidising agents. Strong acids. Strong bases.



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Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

Section 11: Toxicological information

11.1. Information on likely routes of exposure

Product information	No data available
Inhalation	May cause irritation of respiratory tract.
Eye Contact	Causes serious eye irritation.
Skin contact	Irritating to skin.
Ingestion	No data available.

Acute Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethylene Glycol 107-21-1	= 4700 mg/kg (Rat)	= 10600 mg/kg (Rat)	> 2.5 mg/L (Rat) 6 h
2-(2-Butoxyethoxy)ethanol 112-34-5	= 5660 mg/kg (Rat)	= 2700 mg/kg (Rabbit)	-
Dodecan-1-ol, ethoxylated, sulfates, Ammonium salts 32612-48-9	= 630 mg/kg (Rat)	-	-
Lauryl Alcohol 112-53-8	> 12800 mg/kg (Rat)	= 11300 mg/kg (Rabbit)	= 71 mg/L (Rat) 1 h

11.2. Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness.

11.3.

Serious eye damage/eye irritation	Irritating to eyes.
Carcinogenicity	No information available.
Reproductive Toxicity	No information available.
STOT - Single Exposure	No information available.
STOT - Repeated Exposure	May cause damage to organs through prolonged or repeated exposure.
Chronic toxicity	Avoid repeated exposure.
Target organ effects	Respiratory system, Eyes, Skin, Central nervous system.
Aspiration Hazard	No information available.

11.4. Numerical measures of toxicity - Product Information

ATEmix (oral)	2545 mg/kg
ATEmix (dermal)	34248 mg/kg
ATEmix (inhalation-dust/mist)	15.5

Section 12: Ecological information

Ecotoxicity

Aquatic ecotoxicity Harmful to aquatic life.



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Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sulfuric Acid, mono-C10-16 esters, Ammonium salts	EC50 (96h) = 42 mg/L Desmodesmus subspicatus	-	-	-
Ethylene Glycol	EC50 (96h) 6500 - 13000 mg/L Pseudokirchneriella subcapitata	LC50 (96h) = 41000 mg/L Oncorhynchus mykiss LC50 (96h) static 14 - 18 mL/L Oncorhynchus mykiss LC50 (96h) static = 27540 mg/L Lepomis macrochirus LC50 (96h) static = 40761 mg/L Oncorhynchus mykiss LC50 (96h) static 40000 - 60000 mg/L Pimephales promelas LC50 (96h) static = 16000 mg/L Poecilia reticulata	-	EC50 (48h) = 46300 mg/L Daphnia magna
2-(2-Butoxyethoxy)ethanol	EC50 (96h) > 100 mg/L Desmodesmus subspicatus	LC50 (96h) static = 1300 mg/L Lepomis macrochirus	-	EC50 (48h) > 100 mg/L Daphnia magna
Lauryl Alcohol	EC50 (96h) = 0.62 mg/L Desmodesmus subspicatus	LC50 (96h) flow-through = 1.01 mg/L Pimephales promelas LC50 (96h) = 0.1855 mg/L Pimephales promelas	-	EC50 (48h) = 320 mg/L Daphnia magna

Persistence and degradability

No information available.

Bioaccumulative potential

Bioaccumulation

No information available.

Chemical name	Partition coefficient
Ethylene Glycol	-1.36
2-(2-Butoxyethoxy)ethanol	1
Lauryl Alcohol	5.4

Mobility

Mobility in soil No information available.

Mobility No information available.

Other adverse effects

Other adverse effects No information available.

Section 13: Disposal considerations

Disposal methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.



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Contaminated packaging Do not reuse empty containers.

Section 14: Transport information

ADG Not regulated

IATA Not regulated

IMDG Not regulated

Transport in bulk according to Annex II of MARPOL and the IBC Code
No information available

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

New Zealand

EPA New Zealand HSNO approval code or group standard To be determined

Australia

See section 8 for national exposure control parameters

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

No poisons schedule number allocated

Chemical name	National pollutant inventory
Ethylene Glycol - 107-21-1	10 tonne/yr Threshold category 1 20 MWh Threshold category 2b total 60000 MWh Threshold category 2b total 1 tonne/h Threshold category 2a total 25 tonne/yr Threshold category 1a total 400 tonne/yr Threshold category 2a total 2000 tonne/yr Threshold category 2b total
2-(2-Butoxyethoxy)ethanol - 112-34-5	20 MWh Threshold category 2b total 60000 MWh Threshold category 2b total 1 tonne/h Threshold category 2a total 25 tonne/yr Threshold category 1a total 400 tonne/yr Threshold category 2a total 2000 tonne/yr Threshold category 2b total

International Inventories

TSCA	Complies
DSL/NDSL	Complies
ENCS	Does not comply
IECSC	Complies
KECL	Complies



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NZIoC Complies
PICCS Complies
AIIC Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
NZIoC - New Zealand Inventory of Chemicals
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIIC - Australian Inventory of Industrial Chemicals

International Regulations

Ozone-depleting substances (ODS) Not Applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

Section 16: Any other relevant information

Revision date 23-Aug-2023

Revision Note

***Indicates updated data since last publication.

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet