



SAFETY DATA SHEET

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

Product name JET-X 2 3/4% High-Expansion Foam Concentrate

Section 1: Identification: Product identifier and chemical identity

Product identifier

Product name JET-X 2 3/4% High-Expansion Foam Concentrate

Product code 420008

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 Fire extinguishing agent

Uses advised against Consumer use

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

Skin corrosion/irritation Category 2 - (H315)
Serious eye damage/eye irritation Category 2 - (H319)

Label elements

Exclamation mark



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Signal word
WARNING

Hazard statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/clothing and eye/face protection

Precautionary Statements - Response

Specific treatment (see supplemental first aid instructions on this label)

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

IF ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash it before reuse

Other hazards which do not result in classification

Harmful to aquatic life

The components in this formulation do not meet the criteria for classification as PBT or vPvB

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

Substance

Not applicable

Mixture

Chemical name	CAS No	Weight-%
Ammonium Alcohol ether sulfate (C8-C10)	68891-29-2	10 - 20%
Sulfuric Acid, mono-C10-16 esters, Ammonium salts	68081-96-9	0 - 10%
Lauryl Alcohol	112-53-8	0 - 10%
Non-hazardous ingredients	Proprietary	Balance

Section 4: First aid measures

Description of first aid measures

General advice

Show this safety data sheet to the doctor in attendance.

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 immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
Skin contact	Wash skin with soap and water.
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms Burning sensation.

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.

Hazardous combustion products Carbon oxides. Nitrogen oxides (NOx). Oxides of sulphur.

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 Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.



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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.

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. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

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 This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection If splashes are likely to occur, wear safety glasses with side-shields.

Skin and body protection Wear suitable protective clothing.

Hand protection Wear suitable gloves.

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.



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Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state Liquid
Appearance No information available
Colour green
Odour Characteristic.
Odour threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	7	
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	13.542	
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.



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Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous polymerisation Hazardous polymerisation does not occur.

Conditions to avoid

Conditions to avoid Extremes of temperature and direct sunlight.

Incompatible materials

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

Hazardous decomposition products

Hazardous decomposition products Carbon oxides. Nitrogen oxides (NOx). Fluorinated oxides.

Section 11: Toxicological information

11.1. Information on likely routes of exposure

Product information

Inhalation No data available.
Eye Contact Severely irritating to eyes.
Skin contact Irritating to skin.
Ingestion No data available.

Component Information

Acute Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ammonium Alcohol ether sulfate (C8-C10) 68891-29-2	-	> 2000 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.

Skin Corrosion/Irritation Irritating to skin.

Serious eye damage/eye irritation Severely irritating to eyes.

Carcinogenicity Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen



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OSHA (Occupational Safety and Health Administration of the US Department of Labour)

X - Present

Reproductive Toxicity No information available.
STOT - Single Exposure No information available.
STOT - Repeated Exposure No information available.
Chronic toxicity May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects. Contains a known or suspected reproductive toxin.
Target organ effects Blood, Central nervous system, Eyes, Liver, Reproductive system, Respiratory system, Skin.
Aspiration Hazard No information available.

11.4. Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (dermal) 10,358.40 mg/kg
ATEmix (inhalation-gas) 2164
ATEmix (inhalation-dust/mist) 2163.5

Section 12: Ecological information

Ecotoxicity

Aquatic ecotoxicity Harmful to aquatic life.

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	-	-	-
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 There is no data for this product.

Component Information

Chemical name	Partition coefficient
Ammonium Alcohol ether sulfate (C8-C10)	1.067
Lauryl Alcohol	5.4

Mobility

Mobility in soil No information available.

Mobility No information available.

Other adverse effects



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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.

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

International Inventories

TSCA	Complies
DSL/NDL	Complies
ENCS	Does not comply
IECSC	Complies
KECL	Does not comply
NZIoC	Complies
PICCS	Complies
AIIC	Complies

Legend:



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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