


Jet Scav-L

Section 1	Identification
Product Identifier: (product name)	Jet Scav-L
Other means of identification: (product family, synonyms, etc)	Oxygen Scavenger
Recommended use:	Not Available
Canadian supplier identifier: (Name, full address and phone number(s))	Blackstone Drilling Fluids Ltd #700, 215 9th Ave SW Calgary, Alberta T2R 1K3
Emergency telephone number: (any restrictions on the use of that number, if applicable)	24HR: (403) 262-5955

Section 2	Hazard Identification
	<i>*Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012)</i>
Hazard Classification: (class, category or subcategory)	<p>Physical: Flammable Liquid - Category 3</p> <p>Health: Acute Toxicity - Category 4, Inhalation Acute Toxicity - Category 4, Dermal Acute Aquatic Toxicity - Category 2 Chronic Aquatic Toxicity - Category 2 Skin Irritation – Category 2 Eye Irritation – Category 2 Skin Sensitizer – Category 1B</p>
Label Elements:	
Signal Word:	Warning
Hazard Statement(s):	H226 Flammable liquid and vapour H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H332 Harmful if inhaled H312 Harmful in contact with skin H401 Hazardous to the aquatic environment, acute hazard H411 Hazardous to the aquatic environment, long-term hazard

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Precautionary Statement(s):

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
 P233 Keep container tightly closed
 P240 Ground and bond container and receiving equipment
 P241 Use explosion proof [electrical/ventilating/lighting/...] equipment
 P242 Use non-sparking tools
 P243 Take action to prevent static discharges
 P280 Wear protective gloves/protective clothing/eye protection/face protection
 P261 Avoid breathing dust/fumes/gas/mist/vapours/spray
 P271 Use only outdoors or in a well-ventilated area
 P273 Avoid release to the environment

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so.
 P337 + P313 If eye irritation persists: Get medical advice/attention.
 P370 + P378 In case of fire: Use alcohol-resistant foam, water spray, carbon dioxide (CO₂), dry chemical to extinguish
 P302 + P352 IF ON SKIN: Wash with plenty of water
 P332 + P313 If skin irritation occurs: Get medical advice/attention.
 P312 Call a poison center/doctor if you feel unwell
 P362 + P364 Take off contaminated clothing and wash it before reuse
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P321 Specific treatment (see on this label)

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:

P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards which do not result in classification:

n/a

Section 3

Composition/Information on Ingredients

Chemical Name	CAS No. (HMIRA Reg#)	Concentration (% Wt. Range)	Common Name and other identifiers
Ethanamine	3710-84-6	60-80 %	Amine
Amine Derivative	68999-77-3	20-40 %	Amine Derivative
*Balance of ingredients is non-hazardous and constitutes a proprietary blend			

*Note: Concentrations are expressed in % weight/weight.
 All other ingredients are considered non-hazardous.*

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Section 4	First-Aid Measures
Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. If breathing is irregular or stopped, administer artificial respiration. Do not give mouth-to-mouth. Obtain medical attention. Symptoms may be delayed
Skin Contact:	Wash off immediately with plenty of water. Remove and wash contaminated clothing. If skin irritation persists, call a physician.
Eye Contact:	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek immediate medical attention/advice.
Ingestion:	Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. If victim is conscious. Rinse mouth, drink 1 or 2 glasses of water. Immediate medical attention is required
Section 5	Fire-Fighting Measures
Suitable Extinguishing Media:	Alcohol-resistant foam, water spray, carbon dioxide (CO ₂), dry chemical
Specific Methods:	In case of fire, stop leak if safe to do so. Evacuate area and fight fire from a safe distance. Keep people away from and upwind of spill/leak. Suppress (knock down) gases/vapors/mists with a water spray jet. In the event of fire, cool tanks with water spray. Do not allow run-off from firefighting to enter drains or water courses.
Unsuitable extinguishing Media:	n/a
Specific Hazards:	Flammable. Eliminate all ignition sources if safe to do so. Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind. Pay attention to flashback. Fire or intense heat may cause violent rupture of packages. In case of fire hazardous decomposition products may be produced such as. Nitrogen oxides (NO _x). Ammonia, Carbon monoxide.
Special protective equipment and precautions for firefighters:	Firefighters and others who may be exposed to products of combustion should wear full firefighting turnout gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand NIOSH approved or equivalent).
Section 6	Accidental Release Measures
Personal Precautions:	Avoid contact with skin, eyes and clothing. In case of inadequate ventilation wear respiratory protection. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Take precautionary measures against static discharges. Pay attention to flashback. Suppress (knock down) gases/vapors/mists with a water spray jet. Do not use sparking tools.
Protective Equipment:	Respiratory protection, eye glasses, FR coveralls, latex chemical resistant

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gloves, steel toed boots, ventilation if in a closed environment.

Environmental Precautions: Should not be released into the environment. Prevent product from entering drains

Methods and materials for containment and cleaning up: Use only non-sparking tools. Large spills should be collected mechanically (remove by pumping) for disposal. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Keep in suitable, closed containers for disposal. Dispose of as special waste in compliance with local and national regulations.

Section 7

Handling and Storage

Precautions for safe handling: In accordance with local and national regulations. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Protect containers from physical damage. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded.

Conditions for safe storage: (including incompatible materials) In accordance with local and national regulations. Use only in area provided with appropriate exhaust ventilation. Ensure that eyewash stations and safety showers are close to the workstation location.

Wear personal protective equipment. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors or spray mist. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Ground and bond containers when transferring material. Do not use sodium nitrite or other nitrosating agents in product. Empty containers retain product residue and may be hazardous. Wash thoroughly after handling.

Incompatible Products:

Strong acids and oxidizing agents, Mineral acid, Peroxides.

Section 8

Exposure Controls/Personal Protection

**Exposure Control/
Personal Protection**

Exposure Control/Personal Protection: Components with workplace control parameters: Reference Engineering Measures, Respiratory Protection, Eye Protection and Hand Protection listed below. Components CAS-No: HMIRA Reg # 9856 Value type (Form of exposure): Airborne. Control parameters / Permissible concentration Basis TWA 2 ppm ACGIH

Engineering Measures:

Engineering Measures: Good general ventilation used with local exhaust (typically 10 air changes per hour). Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

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Equipment:
Respiratory Protection:

Respiratory Protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Eye Protection:

Eye Protection: Safety glasses with side shields. face shield, skin and body protection, complete suit protecting against chemicals.

Hand Protection:

Hand protection: Rubber gloves, Neoprene gloves, the data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove.

Environmental exposure controls:

Do not contaminate surface water. Avoid subsoil penetration.

Section 9

Physical and Chemical Properties

Appearance: (physical state, colour, etc.)	Liquid, Brown
Odour:	Slight amine
Odour Threshold:	No information available
pH:	11 - 12
Melting point/Freezing point:	No information available
Initial boiling point/boiling range:	No information available
Flash Point:	49 °C closed cup
Evaporation rate	No information available
Flammability: (solid; gas)	No information available
Lower flammable explosive limit:	No information available
Upper flammable explosive limit:	No information available
Solubility:	Water soluble
Specific Gravity:	1.02 ± 0.03 (Water = 1)
Auto-ignition temperature:	>250°C
Decomposition temperature:	No information available

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Section 10	Stability and Reactivity
Reactivity:	Product slowly corrodes copper, aluminum, zinc and galvanized surfaces.
Chemical Stability:	This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Possibility of hazardous reactions:	Hazardous polymerization does not occur.
Condition to avoid: (static discharge, shock, open flame, or vibration)	Keep away from open flames, hot surfaces and sources of ignition.
Incompatible materials:	Incompatible with strong acids and oxidizing agents, peroxides. Do not use sodium nitrite or other nitrosating agents in product.
Hazardous decomposition products:	Thermal decomposition can lead to release of irritating gases and vapours. Nitrogen oxides (NOx), Carbon monoxide, Carbon dioxide (CO ₂), Ammonia.
Section 11	Toxicological information
<u>Information on likely routes of exposure:</u>	
Inhalation:	May cause irritation of the mucous membranes May cause irritation of respiratory tract.
Ingestion:	May cause irritation of the mucous membranes May cause gastrointestinal irritation
Skin contact:	Slight irritation to Moderately irritating to rabbits May be absorbed through the skin in harmful amounts.
Eye contact:	Contact with eyes may cause irritation Slightly irritating to rabbit.
<u>Symptoms:</u>	Skin disorders. Eye disease. Respiratory disorders.
<u>Delayed and immediate effects:</u>	
Chronic effects short term exposure:	None known.
Chronic effects long term exposure:	None known.
Carcinogenicity:	There are no known carcinogenic chemicals in this product. The table below indicates whether each agency has listed any ingredient as a carcinogen.
<u>Product Information:</u>	

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Test Results:	LD50/oral/rat = LD50/dermal/rabbit = LC50/inhalation/4h/rat = Eye irritation Skin irritation Sensitization lab. Animals. Mutagenic Effects	>2000 mg/kg >1300 mg/kg 11 mg/l Mild eye irritation Mild skin irritation Did not cause sensitization on Did not show mutagenic effects in animal experiments
Chronic Toxicity:	None known.	

Section 12

Ecological Information

Ecotoxicity:

Persistence and degradability:	Component Information LC50/96h/guppy = EC50/48h/daphnia = Toxicity to algae Toxicity to bacteria	> 130 mg/l 8.0 mg/l EC10 (72h) : 25 mg/l EC10 : 100 mg/l
Bioaccumulative potential:	Minimum	
Other adverse effects:	None known.	

Section 13

Disposal Considerations:

Waste disposal methods:	Dispose of in accordance with local regulations.
Container disposal methods:	In accordance with local and national regulations. Empty containers should be taken for local recycling, recovery or waste disposal. Empty containers retain product residue and may be hazardous.
Safe handling for disposal methods:	Use all appropriate PPE and engineering controls when handling or disposing contents and/or container.

Section 14

Transport Information

UN Number:	UN1993, FLAMMABLE LIQUIDS, N.O.S. (Ethanamine), 3, III
UN Proper shipping name:	UN1993, FLAMMABLE LIQUIDS, N.O.S. (Ethanamine), 3, III
Transport hazard class(es):	UN1993, FLAMMABLE LIQUIDS, N.O.S. (Ethanamine), 3, III
Packing group:	UN1993, FLAMMABLE LIQUIDS, N.O.S. (Ethanamine), 3, III
Environmental hazards:	Marine Pollutant

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Section 15	Regulatory Information
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Safety, health, and environmental regulations specific to product:

Do not contaminate surface water. Avoid subsoil penetration.

Section 16	Other Information
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Date of the latest revision of the SDS:

January 21th, 2022

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