BLADE SERPENT

SNAKEBITE METALWORKING BLADE COOLANT

SAFETY DATA SHEET

1. IDENTIFICATION

Product Name	**SNAKEBITE METALWORKING BLADE COOLANT**
Manufacturer	Falcon Industrial, Inc. 3775 N. Richards Street Milwaukee, WI 53212
Telephone	(262) 241-7559
Fax	(414) 446-4969
In case of Emergency	**DOMESTIC NORTH AMERICA:** 800-424-9300
	INTERNATIONAL: 703-527-3887 (collect calls accepted)
Product Description	Semi-synthetic metalworking fluid concentrate, used in metal removal operations. See product data sheet for a detailed description of recommended use.

2. HAZARDS IDENTIFICATION

GHS Classification	This material is classified in accordance with OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification	**SKIN CORROSION / IRRITATION** – Category 2 **EYE DAMAGE / IRRITATION** – Category 2A **ACUTE TOXICITY** – Category 4
GHS Label Hazard pictogram	
Signal word	**Warning**
Hazard Statement	**H303** – Harmful if swallowed. **H315** – Causes skin irritation. **H319** – Causes serious eye irritation.
Precautionary statements	
Prevention	**P262** – Do not get in eyes, on skin, or on clothing. **P264** – Wash hands and any parts of exposure thoroughly after handling. **P270** – Do not eat, drink or smoke when using this product. **P273** – Avoid release to the environment. **P280** – Wear protective gloves, protective clothing, face and eye protection.
Response	**P302 + P352 + P362-2 + P363** - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing.Wash contaminated clothing before reuse. **P332 + P313** - If skin irritation occurs: Get medical attention. **P305 + P351 + P338** - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **P337 + P313** - If eye irritation persists: Get medical attention.
Storage	**Not applicable**
Disposal	**P501** – Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards Not Otherwise Classified (HNOC)	May be defatting to the skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Sawlution 8007 is a semi-synthetic mixture, composed of; severely hydrotreated mineral oil, synthetic lubricants, surfactants, corrosion inhibitors, and other metalworking fluid additives to aid metal removal operations.

COMPONENTS/INGREDIENTS	CAS NO.	% RANGE*
Distillates (petroleum), hydrotreated heavy naphthenic	*64742-52-5*	*<30*
2-amino-2-methylpropanol	*124-68-5*	*<5*
2-aminoethanol	*141-43-5*	*<5*
2,2,2-nitrilotriethanol	*102-71-6*	*<5*

**Specific percentages of composition are being withheld as a trade secret.*
**Proprietary CAS numbers are being withheld as a trade secret.*

Additional components, of which may or may not be present, in this mixture are not classified as hazardous to health or the environment and within the current knowledge of the manufacturer or supplier and current regulations, are required to be reported in this section.

Occupational exposure limits, if applicable and available, are listed in **Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION.**

4. FIRST AID MEASURES

Eye Irrigate with flowing water immediately and continuously for a minimum of 15 minutes. If wearing contact lenses remove first, if able. Seek medical assistance immediately if irritation occurs.

Skin Thoroughly rinse contact areas with water and soap. If clothing or shoes are contaminated; remove immediately and wash before using again. Seek medical attention immediately if irritation occurs.

Ingestion DO NOT induce vomiting, unless directed to do so by appropriate medical personnel. Never give anything by mouth to an unconscious person. If person is conscious, rinse out mouth with water. Seek medical attention immediately.

Inhalation Contact a medical professional immediately. Effects of inhalation are not established. It is a good practice to remove victim to fresh air and from further exposure when inhalation occurs. If patient experiences irritation to the respiratory system, dizziness, nausea, or unconsciousness, seek medical attention immediately. If breathing has stopped, assist ventilation with a mechanical device or moth-to-moth resuscitation. If irritation persists, consult medical personnel.

Notes to Physician In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Treatment should in general be symptomatic and directed to relieving any effects.

Most important symptoms or effects, acute and delayed

For more detailed information on health effects and symptoms see **Section 11 – TOXICOLOGICAL INFORMATION**

Description of necessary first aid measures or specific treatments

Treatment should in general be symptomatic and directed to relieving any effects.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Alcohol-resistant foam, dry chemical, and carbon dioxide are appropriate extinguishing media.
Unsuitable Extinguishing Media	Avoid using water jet.
Specific Hazards from Chemical	Not known.
Hazardous Combustion Products	Combustion products may include the following: oxides of carbon (CO, CO2), oxides of nitrogen, and other undetermined byproducts of combustion.
Special Fire Fighting Instructions	Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self – contained breathing apparatus (SCBA).
Unusual Fire or Explosion Hazards	Contents in closed container, in a fire or if held at a high temperature for extended periods of time, may cause a pressure increase and cause the container to burst.
Flash Point (COC)	Not expected to be flammable.
Auto Ignition Temperature	Not known
Explosion Limits	LEL: Not determined UEL: Not determined

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective	Spilled material may make surfaces slippery.
Equipment, and Emergency Procedures	Wear suitable protective gear, such as: chemically protective gloves, eye protection, chemically protective boots, and chemically protective clothing.
Environmental Precautions	Dike spilled material to prevent spreading and any releases of this material to the environment. DO NOT allow material to enter waterways or water systems. In the case of a spill or accidental release, notify proper authorities in accordance to regulations. US regulations require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway. The National Response Center can be contacted at (800)424-8802.

Methods and Materials for Containment and Cleaning Up

Dike spilled material and soak up with inert absorbent material, such as: mops, sand, oil-dri, or fiber media. Dispose of material in accordance with all Federal, State and Local regulations. Do not touch or walk through spilt material. Avoid breathing vapor or mist. Provide adequate ventilation.

7. HANDLING AND STORAGE

Handling	Ensure adequate ventilation. Keep out of reach of children or individuals not educated and familiar with the potential hazards of this material. Avoid contact with eyes. Do not ingest. Avoid prolonged or repeated contact with skin. Do not mix or contaminate with other chemicals. Do not eat, drink or smoke while using this product. Avoid high heat, flames, ignition sources, or UV light. Wear appropriate PPE, avoid breathing vapor or mist. Empty containers retain product residue and can be hazardous. Keep in the original container or an alternative made from a compatible material; keep closed when not in use. Do not reuse original container.
Storage	Store in a closed, properly labeled container, in accordance with all regulations. Store in the original container, away from direct sunlight, and incompatible materials. Store at temperatures below 100°F. Keep container tightly sealed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Showers, eyewash stations, and ventilation systems are appropriate.

Environmental Controls

Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

Exposure Limit Values

Metalworking Fluids – Particulates Not Otherwise Classified

OSHA – TWA
15 mg/m3 (8 hour)
NIOSH – TWA REL (Recommended Exposure Limit)
0.5 mg/m3 total particulate (10 hour / day; 40 hour work week)

Mineral Oil (component)

OSHA – PEL
5 mg/m3 TWA (8 hours)
ACGIH – TLV
5 mg/m3 – TWA (8 hours) Inhalable fraction
NIOSH – REL
5 mg/m3 – TWA (10 hours) Mist
10 mg/m3 – STEL (15 minutes) Mist

2-aminoethanol (component)

OSHA – PEL
6 mg/m3 TWA (8 hours)
ACGIH – TLV
1 mg/m3 TWA (8 hours) – Inhalable fraction and vapor
6 ppm STEL (15 minutes)
NIOSH – REL
15 mg/m3 TWA (10 hours) 8 mg/m3 STEL (15 minutes)

2,2,2-nitrilotriethanol (component)

ACGIH – TLV
5 mg/m3 – TWA (8 hours)

Personal Protective Equipment

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

Eye / Face Protection

If contact from spray or splashing, safety glasses with side-shields are recommended.

Skin Protection

Wear suitable chemical resistant gloves while handling concentrate and water extended product. Use of chemically resistant gloves is recommended when in contact for prolonged periods or by individuals whom are dermally sensitive. When the risk of skin exposure is high, chemical resistant aprons and/or impervious chemical suits and boots may be required. PPE for the body should be selected based on the potential for contact with the product and the potential risks involved if contact may occur.

Respiratory Protection

The choice of respiratory protections is dependent upon the environment the product is being used and the environment of the product is used in. Safety procedures should be developed for all intended conditions of handling and use of this product.

Special Instructions for Protection and Hygiene

Provide readily accessible eye wash stations and safety showers. Wash hands at the end of each work shift and before eating, smoking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Orange Liquid
Odor	Mild Odor
Odor Threshold	Not Determined
pH	9.30 – 9.60 @ 5.0% w/w in water
Melting Point / Freezing Point	<32°F (0°C)
Initial Boiling Point and Boiling Range	Not Determined
Flash Point	>200°C
Evaporation Rate (Butyl Acetate @ 25°C = 1)	<1
Flammability (solid, gas)	Not Applicable
Upper Explosive Limit / Lower Explosive Limit	Not Applicable
Vapor Pressure (Water @ 20°C = 17.5 mmHg)	Not Determined
Vapor Density	Not Determined
Specific Gravity (20°C)	0.99 – 1.03
Solubility	Miscible
Partition Coefficient (n-octanol / water)	Not Determined
Auto-ignition Temperature	Not Determined
Decomposition Temperature	Not Determined

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended handling and storage conditions.
Conditions to Avoid	Avoid high heat, flames, and ignition sources, UV light, and incompatible materials. Flammable vapors may form from atomizing or holding material at temperatures above flash point.
Incompatible Materials	Oxidizers, acid, alkali.
Hazardous decomposition materials	Carbon dioxide, carbon monoxide, oxides of nitrogen and other unknown incomplete products of combustion.
Reactivity	Not expected.
Other Information	This mixture contains alkanolamines. Nitrites or other nitrosation compounds may react with components in this material to form potentially carcinogenic nitrosamines.