



## SAFETY DATA SHEET ZEROFOME NS-31F

According to 29 CFR 1910.1200

### 1. IDENTIFICATION

<b>Product name</b>	ZEROFOME NS-31F
<b>Identified uses</b>	Foam Control Agent.
<b>CRL Catalog Number</b>	NS31F
<b>Manufacturer</b>	Alzo International Inc. 650 Jernee Mill Road Sayreville NJ 08872 USA (732) 254-1901 (732) 254-4423
<b>Contact person</b>	Matt Casani
<b>Emergency telephone</b>	Chemtel 1-800-255-3924 / US and Canada

### 2. HAZARD(S) IDENTIFICATION

<b>Appearance</b>	Oily Liquid	
<b>Color</b>	No information available	
<b>Odor</b>	None	
<b>GHS pictogram</b>	No pictogram required.	
<b>GHS classification</b>	<b>Physical hazards</b>	Not classified.
	<b>Health hazards</b>	Not classified.
	<b>Environmental hazards</b>	Not classified.

#### OSHA regulatory status

This product is not hazardous under the OSHA Hazard Communication Standard.

#### Inhalation

In high concentrations, vapors may irritate throat and respiratory system and cause coughing.

#### Ingestion

May cause discomfort if swallowed.

#### Skin contact

May cause skin irritation/eczema.

#### Eye contact

Spray and vapor in the eyes may cause irritation and smarting.

**Mixtures**

<b>No</b>	<b>Chemical name</b>	<b>CAS number</b>	<b>EC Number</b>	<b>%</b>
1	Trimethoxyvinylsilane	2768-02-7	220-449-8	0.17
GHS Classification: Flam. Liq. 3-H225; Acute Tox. 4- H332; STOT RE 2-H373				
2	Crystalline Silica (Quartz)	14808-60-7	238-878-4	0.054
GHS Classification: Carc. 1A-H350; STOT RE 1-H372				
3	Zinc Stearate	557-05-1	209-151-9	0.045
GHS Classification: Acute Aquatic 1-H400				
4	AIBN	78-67-1	201-132-3	0.018
GHS Classification: Self-react. C-H242; Acute Tox. 4-H302+H322; Aquatic Chronic 3-H412				
5	Methanol(Impurity)	67-56-1	200-659-6	0.0001
GHS Classification: Flam. Liq. 2-H225 ; Acute Tox. 3-H301+H311+H331; STOT SE 1-H370				

**4. FIRST-AID MEASURES****Description of first aid measures**

Inhalation	Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Do not induce Vomiting. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eye contact	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
<b>Most important symptoms/effects, both acute and delayed</b>	No specific information.
<b>Indication of immediate medical attention and special treatment needed</b>	Notes to the physician - Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

<b>Flash point</b>	>275 °F / 135 °C
<b>Suitable extinguishing media</b>	Water mist or foam or Carbon Dioxide or other dry agents.
<b>Unsuitable extinguishing media</b>	Water jets.
<b>Hazardous combustion products</b>	Will burn and give off noxious fumes such as nitrogen and carbon Oxides.
<b>Advice for firefighters</b>	Protective equipment for fire-fighters Self contained breathing apparatus and full protective clothing must be worn in case of fire.

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions, protective equipment and emergency procedures</b>	Avoid contact or breathing of vapors. Wear protective clothing as described in Section 8 of this safety data sheet.
<b>Environmental precautions</b>	Prevent product from entering drains or being released into the environment.
<b>Methods and material for containment and cleaning up</b>	Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.
<b>Reference to other sections</b>	For waste disposal, see section 13.

## 7. HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Avoid spilling, skin and eye contact.
<b>Conditions for safe storage, including any incompatibilities</b>	Avoid flames or sparks. Store in a cool dry place and replace lid after use.
<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits:

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Components	Type	Value
Crystalline Silica (Quartz)	TWA	25 µg/m <sup>3</sup> (Resp) (29 CFR 1910.1053)

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Oil mist (mineral)	PEL (TWA)	5 mg/m <sup>3</sup>
Zinc Stearate	PEL (TWA)	10 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (resp)
Methanol(Impurity)	PEL (TWA)	200 ppm (260 mg/m <sup>3</sup> )

#### US. OSHA Table Z-2 (29 CFR 1910.1000)

None of the ingredients in this product is listed.

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value
Crystalline Silica (Quartz)	TWA	<u>10 mg/m<sup>3</sup></u> (respirable)  %SiO <sub>2</sub> +2

#### US. ACGIH Threshold Limit Values

Components	Type	Value
Oil mist (mineral)	TLV (TWA)	5 mg/m <sup>3</sup> (IHL; excluding metal working fluids, pure highly and severely refined) (For poorly and mildly refined: exposure by all routes should be carefully controlled to levels as low as possible.)
Crystalline Silica (Quartz)	TLV (TWA)	0.025 mg/m <sup>3</sup> (resp.) for α-quartz and cristobalite

Zinc Stearate	TLV (TWA)	10 mg/m <sup>3</sup> (IHL) 3 mg/m <sup>3</sup> (resp)
Methanol(Impurity)	TLV (TWA) TLV (ST)	200 ppm 250 ppm

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
Oil mist (mineral)	REL (TWA)	5 mg/m <sup>3</sup>
	REL (ST)	10 mg/m <sup>3</sup>
Crystalline Silica (Quartz)	REL (Ca TWA)	0.05 mg/m <sup>3</sup>
Zinc Stearate	REL (TWA)	10 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (resp)
Methanol(Impurity)	REL (TWA)	200 ppm (260 mg/m <sup>3</sup> )
	REL (ST)	250 ppm (325 mg/m <sup>3</sup> )

**Protective equipment**

**Engineering measures**

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of vapors.

**Respiratory equipment**

Wear NIOSH-approved respiratory protection as appropriate to operating Conditions.

**Hand protection**

Impervious gloves.

**Eye protection**

If risk of splashing, wear safety goggles or face shield.

**Other protection**

Wear appropriate clothing to prevent any possibility of skin contact.

**Hygiene measures**

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using does not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Oily Liquid
<b>Color</b>	No information available.
<b>Odor</b>	None.
<b>Odor threshold</b>	No information available.
<b>pH</b>	Not Determined.
<b>Melting point/freezing point</b>	Liquid at Room Temperature.
<b>Initial boiling point and boiling range</b>	212 °F / 100 °C
<b>Flash point</b>	>275 °F / 13 5°C
<b>Evaporation rate</b>	No information available.
<b>Flammability limit – lower (%)</b>	No information available.
<b>Flammability limit – upper (%)</b>	No information available.
<b>Vapor pressure</b>	Not determined.
<b>Vapor density (air=1)</b>	No information available.
<b>Relative density</b>	0.845

<b>Solubility</b>	
<b>Solubility(water)</b>	Dispersible.
<b>Partition coefficient (n-octanol/water)</b>	Not determined.
<b>Auto-ignition temperature</b>	Not Determined.
<b>Decomposition temperature</b>	No information available.
<b>Viscosity</b>	No information available.
<b>Oxidizing Properties</b>	No information available.
<b>Explosive properties</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No specific reactivity hazards associated with this product.
<b>Chemical Stability</b>	Stable under normal temperature conditions and recommended use.
<b>Conditions to avoid</b>	Naked flames, other sources of ignition (e.g., sparks).
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Carbon and Nitrogen Oxides may be released on thermal decomposition.

## 11. TOXICOLOGICAL INFORMATION

<b>Information on likely routes of exposure</b>	
<b>Inhalation</b>	In high concentrations, vapors may irritate throat and respiratory system and cause coughing.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	May cause skin irritation/eczema.
<b>Eye contact</b>	Spray and vapors in the eyes may cause irritation and smarting.
<b>Numerical measures of toxicity</b>	No information available for this product.
<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	No information available.
<b>Skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	Not expected to be carcinogenic. Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC).
<b>Reproductive toxicity</b>	No information available.
<b>Specific target organ toxicity - single exposure</b>	No information available.
<b>Specific target organ toxicity - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Not regarded as dangerous for the environment.
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<b>Numerical measures of toxicity</b>	No information available for this product.
<b>Persistence and degradability</b>	There are no data on the degradability of this product.
<b>Bioaccumulative potential</b>	No data available on bioaccumulation.
<b>Mobility in soil</b>	No information available.
<b>Results of PBT and vPvB assessment</b>	This product does not contain any PBT or vPvB substances.
<b>Other adverse effects</b>	Not determined.

### 13. DISPOSAL CONSIDERATIONS

<b>Waste management</b>	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
<b>Disposal methods</b>	Disposal is usually carried out at a licensed waste material processor. If incinerated, stack gases may need to be scrubbed.

### 14. TRANSPORT INFORMATION

	<b>DOT Classification</b>	<b>IMDG</b>	<b>IATA</b>
<b>UN number</b>	Not applicable.	Not applicable	Not applicable
<b>UN proper shipping name</b>	Petroleum Lubricating Oil, NOIBN...Not Regulated	Petroleum Lubricating Oil, NOIBN...Not Regulated	Petroleum Lubricating Oil, NOIBN...Not Regulated
<b>Transport hazard class(es)</b>	Not applicable.	Not applicable.	Not applicable.
<b>Packing group</b>	Not applicable.	Not applicable.	Not applicable.
<b>Environmental hazards</b>	No	No	No
<b>Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code Notes</b>		Not applicable.	

### 15. REGULATORY INFORMATION

#### US federal regulations

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None of the ingredients in this product is listed.

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Crystalline Silica (Quartz)	Listed
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#### CERCLA Hazardous Substance List (40 CFR 302.4)

Methanol (Impurity) (CAS#67-56-1)	Listed
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#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

<b>Hazard categories</b>		
Immediate Hazard	-	No
Delayed Hazard	-	No
Fire Hazard	-	No
Pressure Hazard	-	No
Reactivity Hazard	-	No

<b>SARA 311/312 Hazardous chemical</b>	No
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**SARA 313 (TRI reporting)**

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Methanol (Impurity) (CAS#67-56-1) Listed

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

None of the ingredients in this product is listed.

**Safe Drinking Water Act (SDWA): Contaminant Candidate List**

Methanol (Impurity) (CAS#67-56-1) Listed

**US state regulations**

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**US. New Jersey Worker and Community Right-to-Know Act**

Crystalline Silica (Quartz) (CAS#14808-60-7) Listed

Zinc Stearate (CAS#557-05-1) Listed

AIBN (CAS#78-67-1) Listed

Methanol(Impurity) Listed

**US. Pennsylvania Worker and Community Right-to-Know Law**

Crystalline Silica (Quartz) (CAS#14808-60-7) Listed

Zinc Stearate (CAS#557-05-1) Listed

AIBN (CAS#78-67-1) Listed

Methanol(Impurity) Listed

**US. California Proposition 65****US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Methanol (Impurity) (CAS#67-56-1) Listed

**International Inventories****US - TSCA**

Cosmetic ingredients, exempt from listing.

**16. OTHER INFORMATION****Information sources**

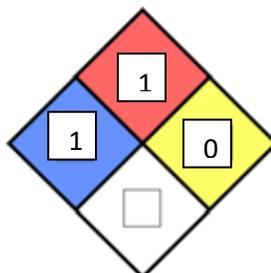
According to 29 CFR 1910.1200

**Revision date**

March 2017

**Revision**

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**NFPA rating****Disclaimer**

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