



SAFETY DATA SHEET

According to U.S. Code of Federal Regulations 29 CFR 1910.1200, Hazard Communication.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: **AXFOAM FM 3113**

Type of product: Mixture.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Processing aid for industrial applications. Defoamer.

Uses advised against: All non-professional uses.

1.3. Details of the supplier of the safety data sheet

Company: **AXCHEM USA INC**
810 A Franklin Court
Marietta, GA 30067

Telephone: (336) 632-0500

Telefax: (336) 632-1177

E-mail address: customersupport@axchemusa.com

1.4. Emergency telephone number

24-hour emergency number: (336) 339-4891

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to paragraph (d) of 29 CFR 1910.1200:

Asp. Tox. 1;H304

2.2. Label elements

Labelling according to paragraph (f) of 29 CFR 1910.1200:

Hazard symbol(s):



Signal word:

Danger

Hazard statement(s):

H304 - May be fatal if swallowed and enters airways

Precautionary statement(s):

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P260 - Do not breathe mist
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician
P331 - Do NOT induce vomiting

2.3. Other hazards

None.

For explanation of abbreviations see Section 16.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable, this product is a mixture.

3.2. Mixtures

Hazardous components

Petroleum distillates, hydrotreated heavy paraffinic

Concentration/ -range:

< 50%

CAS Number:

64742-54-7

Classification according to paragraph (d)
of 29 CFR 1910.1200:

Asp. Tox. 1;H304

Notes

Does not result in classification of the mixture if the kinematic viscosity is greater than 20.5 mm²/s measured at 40°C.

For explanation of abbreviations see section 16

SECTION 4: First aid measures**4.1. Description of first aid measures*****Inhalation:***

If inhaled, remove to fresh air. Get medical attention if symptoms appear.

Skin contact:

Remove soaked clothing immediately and wash affected skin with soap and water.

Eye contact:

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get prompt medical attention.

Ingestion:

Do NOT induce vomiting. Rinse mouth. Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

Aspiration may cause pulmonary oedema and pneumonitis.

4.3. Indication of any immediate medical attention and special treatment needed

Risk of product entering the lungs on vomiting after ingestion.

Other information:

None.

SECTION 5: Firefighting measures**5.1. Extinguishing media*****Suitable extinguishing media:***

Water. Water spray. Foam. Carbon dioxide (CO₂). Dry powder.

Warning! Spills produce extremely slippery surfaces.

Unsuitable extinguishing media:

High volume water jet.

5.2. Special hazards arising from the substance or mixture***Hazardous decomposition products:***

Thermal decomposition may produce: nitrogen oxides (NO_x), carbon oxides (CO_x).

5.3. Advice for firefighters***Protective measures:***

Wear full protective clothing and self-contained breathing apparatus.

Other information:

Do not allow run-off from fire fighting to enter drains or water courses. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures***Personal precautions:*

Avoid contact with skin and eyes. Spills produce extremely slippery surfaces.

Protective equipment:

Wear adequate personal protective equipment (see Section 8 Exposure Controls/Personal Protection).

Emergency procedures:

Keep people away from spill/leak. Prevent further leakage or spillage if safe to do so.

6.2. Environmental precautions

As with all chemical products, do not flush into surface water. Try to prevent the material from entering drains or water courses. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and material for containment and cleaning up

Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small spills:

Soak up with inert absorbent material.

Large spills:

Soak up with inert absorbent material. Prevent product from entering drains.

Residues:

Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

Section 7 - Handling and Storage, Section 8 - Exposure Controls/ Personal Protection, Section 13 - Disposal considerations.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Use personal protective equipment. Wash hands before eating, drinking, or smoking.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from sources of ignition - No smoking. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipments must be grounded.

Incompatible with oxidizing agents. Reducing agents.

7.3. Specific end use(s)

This information is not available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Occupational exposure limits:

Petroleum distillates, hydrotreated heavy paraffinic

OSHA: 5 mg/m³ (8 hours) (aerosol / mist)

ACGIH: 5 mg/m³ (8 hours) (inhalable)

8.2. Exposure controls

Appropriate engineering controls:

Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

Individual protection measures, such as personal protective equipment:

a) Eye/face protection:

Safety glasses with side-shields.

b) Skin protection:

i) Hand protection: For prolonged or repeated contact use protective gloves.

ii) Other: Protective suit.

c) Respiratory protection:

Use with adequate ventilation. Do not breathe vapor or mist. No personal respiratory protective equipment normally required. In case of insufficient ventilation wear suitable respiratory equipment.

d) Additional advice:

Do not smoke. Wash hands before breaks and at the end of workday. Wash hands before eating, drinking, or smoking. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls:

Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

a) Appearance:

Liquid, Milky.

b) Odour:

Aliphatic.

c) Odour Threshold:

No data available.

d) pH:

Not applicable.

e) Melting point/freezing point:

< 0°C

f) Initial boiling point and boiling range:	> 100°C
g) Flash point:	> 93°C
h) Evaporation rate:	No data available.
i) Flammability (solid, gas):	Not applicable.
j) Upper/lower flammability or explosive limits:	No data available.
k) Vapour pressure:	No data available.
l) Vapour density:	No data available.
m) Relative density:	0.8 - 1.0 (See Technical Bulletin or Product Specifications for a more precise value, if available)
n) Solubility(ies):	Negligible in water
o) Partition coefficient n-octanol/water (log value):	No data available.
p) Autoignition temperature:	No data available.
q) Decomposition temperature:	No data available.
r) Viscosity:	No data available.
s) Kinematic viscosity:	No data available.
t) Explosive properties:	Not expected to be explosive based on the chemical structure.
u) Oxidizing properties:	Not expected to be oxidising based on the chemical structure.
v) Particle characteristics:	No data available.

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable at normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Keep away from heat and sources of ignition.

10.5. Incompatible materials

Oxidizing agents. Reducing agents.

10.6. Hazardous decomposition products

Thermal decomposition may produce: nitrogen oxides (NO_x), carbon oxides (CO_x).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on the product as supplied:

Acute oral toxicity:	LD50/oral/rat > 5000 mg/kg (Estimated)
Acute dermal toxicity:	LD50/dermal/rat > 5000 mg/kg. (Estimated)
Acute inhalation toxicity:	The product is not expected to be toxic by inhalation.
Skin corrosion/irritation:	Not irritating.
Serious eye damage/eye irritation:	Not irritating.
Respiratory/skin sensitisation:	Not sensitizing.
Mutagenicity:	Not mutagenic.
Carcinogenicity:	Not carcinogenic.
Reproductive toxicity:	No toxicity to reproduction.
STOT - Single exposure:	No known effects.
STOT - Repeated exposure:	No known effect.
Aspiration hazard:	May be fatal if swallowed and enters airways.

Relevant information on the hazardous components:

Petroleum distillates, hydrotreated heavy paraffinic

Acute oral toxicity:	LD0/oral/rat > 5000 mg/kg (OECD 401)
Acute dermal toxicity:	LD0/dermal/rabbit > 5000 mg/kg (OECD 402)
Acute inhalation toxicity:	LC50/inhalation/4 hours/rat > 5.53 mg/L (OECD 403)
Skin corrosion/irritation:	Not irritating. (OECD 404)

<i>Serious eye damage/eye irritation:</i>	Not irritating. (OECD 405)
<i>Respiratory/skin sensitisation:</i>	Not sensitizing. (OECD 406)
<i>Mutagenicity:</i>	Based on available data, product is not expected to be mutagenic. In vitro tests showed mutagenic effects which were not observed with in vivo test. Not mutagenic. (OECD 474)
<i>Carcinogenicity:</i>	Based on available data, product is not expected to be carcinogenic. Carcinogenicity study in rats (OECD 451): Negative. Not carcinogenic. (OECD 453)
<i>Reproductive toxicity:</i>	Based on available data, product is not expected to be toxic for reproduction. NOAEL/rat \geq 1000 mg/kg/day (OECD 421) Prenatal Development Toxicity Study (OECD 414) - NOAEL/Developmental toxicity/rat \geq 2000 mg/kg/day
<i>STOT - Single exposure:</i>	No known effects.
<i>STOT - Repeated exposure:</i>	Based on available data, product is not expected to demonstrate chronic toxic effects. LOAEL/oral/rat/90 days = 125 mg/kg/day (OECD 408) (Based on results obtained from tests on analogous products) NOAEC/inhalation/120 h/rat $>$ 980 mg/m ³
<i>Aspiration hazard:</i>	May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

Information on the product as supplied:

<i>Acute toxicity to fish:</i>	LC50/Fish/96 hours $>$ 100 mg/L (Estimated)
<i>Acute toxicity to invertebrates:</i>	EC50/Daphnia magna/48 hours $>$ 100 mg/L (Estimated)
<i>Acute toxicity to algae:</i>	IC50/Algae/72 hours $>$ 100 mg/L (Estimated)
<i>Chronic toxicity to fish:</i>	No data available.
<i>Chronic toxicity to invertebrates:</i>	No data available.
<i>Toxicity to microorganisms:</i>	No data available.
<i>Effects on terrestrial organisms:</i>	No data available.
<i>Sediment toxicity:</i>	No data available.

Relevant information on the hazardous components:

Petroleum distillates, hydrotreated heavy paraffinic

Acute toxicity to fish:	NOEC/Pimephales promelas/96 hours \geq 100 mg/L (OECD 203)
Acute toxicity to invertebrates:	NOEC/Daphnia magna/96 hours \geq 10000 mg/L (OECD 202)
Acute toxicity to algae:	NOEC/Pseudokirchneriella subcapitata/96 hours \geq 10000 mg/L (OECD 201)
Chronic toxicity to fish:	NOEC/Oncorhynchus mykiss/14 days \geq 1000 mg/L (Estimated)
Chronic toxicity to invertebrates:	NOEC/Daphnia magna/21 days = 10 mg/L (OECD 211)
Toxicity to microorganisms:	EC50/Tetrahymena pyriformis/ 40 h $>$ 1000 mg/L.
Effects on terrestrial organisms:	No data available.
Sediment toxicity:	No data available.

12.2. Persistence and degradability

Information on the product as supplied:

Degradation:	Inherently biodegradable.
Hydrolysis:	Does not hydrolyse.
Photolysis:	No data available.

Relevant information on the hazardous components:Petroleum distillates, hydrotreated heavy paraffinic

Degradation:	Inherently biodegradable.
Hydrolysis:	Does not hydrolyse.
Photolysis:	No data available.

12.3. Bioaccumulative potential

Information on the product as supplied:

The product is not expected to bioaccumulate.

Partition co-efficient (Log Pow):	No data available.
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Bioconcentration factor (BCF): No data available.

Relevant information on the hazardous components:

Petroleum distillates, hydrotreated heavy paraffinic

Partition co-efficient (Log Pow): 1.99 - 18.02

Bioconcentration factor (BCF): No data available.

12.4. Mobility in soil

Information on the product as supplied:

No data available.

Relevant information on the hazardous components:

Petroleum distillates, hydrotreated heavy paraffinic

Koc: No data available.

12.5. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products:

Dispose in accordance with local and national regulations. Can be landfilled or incinerated, when in compliance with local regulations.

Contaminated packaging:

Dispose in accordance with local and national regulations. Can be landfilled or incinerated, when in compliance with local and national regulations.

Recycling:

If recycling is not practicable, dispose of in compliance with local regulations.

SECTION 14: Transport information

Land transport (DOT)

Not classified.

Sea transport (IMDG)

Not classified.

Air transport (IATA)

Not classified.

SECTION 15: Regulatory information

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

Information on the product as supplied:

TSCA Chemical Substances Inventory:

All components of this product are either listed as active on the inventory or are exempt from listing.

US SARA Reporting Requirements:

SARA (Section 311/312) hazard class:
Acute.

SARA Title III Sections:

Section 302 (TPO) - Reportable Quantity:
Not concerned.

Section 304 - Reportable Quantity:
Not concerned.

Section 313 (De minimis concentration):
Not concerned.

Clean Water Act

Section 311 Hazardous Substances (40 CFR 117.3) - Reportable Quantity:
Not concerned.

Clean Air Act

Section 112(r) Accidental release prevention requirements (40 CFR 68) - Reportable Quantity:
Not concerned.

CERCLA

Hazardous Substances List (40 CFR 302.4) - Reportable Quantity:
Not concerned.

RCRA status:

Not RCRA hazardous.

California Proposition 65 Information:

WARNING! This product contains a chemical known in the State of California to cause cancer, Silica, crystalline (Airborne particles of respirable size)

SECTION 16: Other informationNFPA and HMIS Ratings:

NFPA:

Health:	1
Flammability:	1
Instability:	0



HMIS:

Health:	1
Flammability:	1
Physical Hazard:	0
PPE Code:	B

This data sheet contains changes from the previous version in section(s):

SECTION 1. Identification of the substance/mixture and of the company/undertaking, SECTION 2. Hazards identification, SECTION 3. Composition/information on ingredients, SECTION 4. First aid measures, SECTION 5. Fire-fighting measures, SECTION 6. Accidental release measures, SECTION 7. Handling and storage, SECTION 8. Exposure controls/personal protection, SECTION 9. Physical and chemical properties, SECTION 10. Stability and reactivity, SECTION 11. Toxicological information, SECTION 12. Ecological information, SECTION 13. Disposal considerations, SECTION 14. Transport information, SECTION 15. Regulatory information, SECTION 16. Other Information.

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

STOT = Specific target organ toxicity

Abbreviations

Asp. Tox. 1 = Aspiration hazard Category Code 1

Hazard statements

H304 - May be fatal if swallowed and enters airways

Training advice:

Do not handle until all safety precautions have been read and understood.

This SDS was prepared in accordance with the following:

U.S. Code of Federal Regulations 29 CFR 1910.1200

Version: 19.01.a

DEFM064

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.