

Revision: 2.1

Revision date:

16 April 2021

Date printed:

03 February 2023

Section 1. Identification

1.1 Product Identifier 4284

Product Name V-FLAM FBC

CAS Number Mixture

REACH Registration No A registration number is not available as the substance or its uses are exempt, the annual tonnage does not require a registration or the registration is envisaged for a later date.

1.2 Relevant identified uses of the substance or mixture & uses advised against

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

1.3 Supplier Vickers Laboratories Ltd



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1.4 Emergency Telephone (08:00-16:30) +44(0) 113 2362811 (24hr) 112 (Have this document to hand)

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to regulation 1272/2008/EC

Skin sensitization, category 1

Reproductive toxicity

Hazard to aquatic environment, category 1

Hazard to aquatic environment, category 1

H317: May cause an allergic skin reaction.

H362: May cause harm to breast-fed children.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to regulation 1272/2008/EC

Signal word Warning

Hazard Pictograms



Hazard Statements May cause an allergic skin reaction. May cause harm to breast-fed children. Very toxic to aquatic life with long lasting effects.

Precautionary Statements Do not breathe dust / fume / gas / mist / vapours / spray. Avoid contact during pregnancy/while nursing. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves / protective clothing / eye protection / face protection. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Section 3. Composition

3.2 Mixtures

Component	CAS No.	EEC No.	REACH No.	Conc w/w	CLP Classification (1272/2008/CE)
Antimony trioxide	1309-64-4	215-175-0		1-5%	Carc. 2,STOT RE 2
Alkanes, C14-17, chloro	85535-85-9	287-477-0		2.5-5%	Aquatic Acute 1,Aquatic Chronic 1
Ammonia	1336-21-6	231-635-3		0.1-1%	Skin Corr. 1A,STOT SE 3 (I),Aquatic Acute 1
Alcohols, C9-11, ethoxylated	68439-46-3	614-482-0		0.1-1%	Acute Tox. 4 (O),Eye Dam. 1
2-methyl-3-isothiazolone	2682-20-4	220-239-6		0.0015-0.01%	Acute Tox. 2 (I),Acute Tox. 3 (O),Acute Tox. 3 (D),Skin Corr. 1B,Skin Sens. 1,Aquatic Acute 1,Aquatic Chronic 1

Section 4. First Aid

4.1 Description of first aid measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water.

Inhalation Remove from exposure.

Ingestion Wash out the patients mouth thoroughly with water.

Personal protection for first aiders Wear protective gloves / eye protection.

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

No further relevant information available.

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

No further relevant information available.

Section 5. Fire Fighting

5.1 Extinguishing media

Extinguishing Media Consider what other flammable materials are present and act accordingly.

Unsuitable Media Nothing specified.

5.2 Special hazards arising from the substance or mixture

Hazards May evolve toxic fumes if involved in a fire.

5.3 Advice for firefighters

Advice for firefighters Fire-fighters should wear protective clothing and breathing apparatus.

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Protection Presents no major hazards.

6.2 Environmental precautions

Environmental Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.

6.3 Methods and material for containment and cleaning up

Major Spillage Contain and absorb on inert material. Transfer absorbent to salvage container for removal. Wash area down with copious amounts of water.

Minor Spillage Wash area down with copious amounts of water.

6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

Section 7. Storage & Handling

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath vapours. Do not allow to contaminate clothing.

7.2 Conditions for safe storage, including any incompatibilities

Well ventilated, cool, dry storage .

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

Component	CAS No	Concentration	Workplace Exposure Limits			
			Long Term (8hr TWA)	Short Term 15min period		
Antimony trioxide	1309-64-4	1-5%	-	0.5 mg/m-3	-	-
Alkanes, C14-17, chloro	85535-85-9	2.5-5%	-	-	-	-
Ammonia	1336-21-6	0.1-1%	25.0 ppm	18.0 mg/m-3	35.0 ppm	25.0 mg/m-3
Alcohols, C9-11, ethoxylated	68439-46-3	0.1-1%	-	-	-	-
2-methyl-3-isothiazolone	2682-20-4	0.0015-0.01%	-	-	-	-

Exposure data source(s) No hazardous components.

8.2 Exposure controls

Respiratory Protection Presents no significant inhalation health hazard.

Hand Protection Wear gloves.

Eye Protection Use tightly fitting chemical splash proof glasses or goggles.

Skin Protection Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

Special Hazards No special precautions required.

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance Clear colourless to pale yellow liquid.

Odour Slight ammoniacal odour.

pH 8.5 - 10.5

Boiling Point Not available

Melting Point Not applicable

Flash Point Not applicable

Upper Flammable Limit Not applicable

Lower Flammable Limit Not applicable

Auto Ignition	Not applicable
Explosive Properties	No.
Oxidising Properties	No.
Vapour Pressure	Not applicable
Relative Density	1.2500
Water Solubility	Not available

9.2 Other information

No data available.

Section 10. Stability & Reactivity

10.1 Reactivity	No data available.
10.2 Chemical Stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	No data available.
10.4 Conditions to Avoid	No specific conditions.
10.5 Incompatible Materials	Strong oxidising agents.
10.6 Hazardous Decomposition Products	None unusual. Burning will produce smoke, carbon monoxide and/or carbon dioxide.

Section 11. Toxicological Information

11.1 Information on toxicological effects

Eyes	Causes serious eye irritation.
Skin	Causes skin irritation.
LD50 Skin	Not available
Ingestion	Low order of acute toxicity.
LD50 Oral	Not available
Inhalation	Presents no significant health hazard by inhalation.
LD50 Inhalation	Not available
TCLo	Not available
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.

Section 12. Ecological

12.1 Toxicity	Moderately toxic to aquatic life :96hr LC50 1-10mg/l. BOD >80% (OECD screening test).
LC50 Algal	Not available
LC50 Crustacea	Not available
LC50 Fish	Not available
12.2 Persistence and degradability	No data available.
12.3 Bioaccumulative potential	No data available.
12.4 Mobility in soil	No data available.
12.5 Results of PBT & vPvB assessment	Assessment not required.
12.6 Other adverse effects	None known at present.

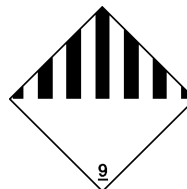
Section 13. Disposal Considerations

13.1 Waste treatment methods

- Disposal Methods Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.
- Contaminated Packaging Use a licensed waste disposer. Wash out containers with water.

Section 14. Transport Information

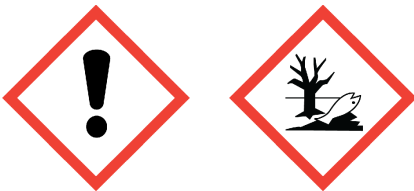
- 14.1 UN Number** 3082
- 14.2 Proper Shipping Name** Environmentally hazardous substance, liquid, N.O.S. (Chlorinated paraffins, C14-17)
- 14.3 Transport classes**
- | | |
|-------------------------|------|
| UN classification | 9 |
| Subsidiary hazard(s) | None |
| Transport category | 3 |
| ADR Hazard ID | 90 |
| Tunnel Restriction Code | E |
- 14.4 Packing Group** III
- 14.5 Environment hazards** Marine pollutant.
- 14.6 Special precautions for user** No special precautions required.
- 14.7 Transport in bulk** Not transported in bulk.



Section 15. Regulatory Information

15.1 Safety, health and environment regulations specific for substance/mixture.

Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

- Classification** Skin sensitization, category 1; Reproductive toxicity; Hazard to aquatic environment, category 1; Hazard to aquatic environment, category 1
- Signal word** Warning
- Hazard Pictograms**
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- Hazard Statements** H317, H362, H400+H410
May cause an allergic skin reaction. May cause harm to breast-fed children. Very toxic to aquatic life with long lasting effects.
- Precautionary Statements** P260, P263, P272, P273, P280, P303+P361+P353
Do not breathe dust / fume / gas / mist / vapours / spray. Avoid contact during pregnancy/while nursing. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves / protective clothing / eye protection / face protection. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

Revision number: 2.1 (Supersedes revision 2.0)

Revision date: 16 April 2021

Reviewed by chemist: 16 April 2021

Printed date: 03 February 2023

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