



Quick Foam FB-1 Comp. B

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

1.1 Product identifier

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

1.2.1 Relevant uses

Amine components

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

VIP Coatings International Gmbh & Co. KG
Frauenstrasse 31
82216 Maisach / GERMANY
Phone +49 (0)8141 35549 0
Fax +49(0)8141 35549 99
Homepage www.vipcoatings-intl.com
E-mail info@vipcoatings-intl.com

Address enquiries to

Technical information

info@vipcoatings-intl.com

Safety Data Sheet

sdb@chemiebuero.de

1.4 Emergency telephone number

Advisory body

+49 (0)89-19240 (24h) (english)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Skin Corr. 1C: H314 Causes severe skin burns and eye damage.

Eye Dam. 1: H318 Causes serious eye damage.

STOT RE 2: H373 May cause damage to hearing organs through prolonged or repeated exposure.

Acute Tox. 4: H302 Harmful if swallowed.

Aquatic Acute 1: H400 Very toxic to aquatic life.

Aquatic Chronic 1: H410 Very toxic to aquatic life with long lasting effects.





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2.2 Label elements

	The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).	
Hazard pictograms	 	 
Signal word	DANGER	
Contains:	Polyoxypropylenediamine Diethylmethylbenzendiamine	
Hazard statements	H314 Causes severe skin burns and eye damage. H373 May cause damage to hearing organs through prolonged or repeated exposure. H302 Harmful if swallowed. H410 Very toxic to aquatic life with long lasting effects.	
Precautionary statements	P260 Do not breathe vapours / spray. P273 Avoid release to the environment. P280 Wear protective gloves / protective clothing / eye protection / face protection. 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. Continue rinsing. P310 Immediately call a POISON CENTER / doctor. P501 Dispose of contents/container in accordance with local/national regulation.	

2.3 Other hazards

Environmental hazards	Does not contain any PBT or vPvB substances.
Other hazards	Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

Product-type:

The product is a mixture.

Range [%]	Substance
40 - < 50	Polyoxypropylenediamine
	CAS: 9046-10-0, EINECS/ELINCS: Polymer
	GHS/CLP: Skin Corr. 1C: H314 - Eye Dam. 1: H318 - Aquatic Chronic 3: H412
20 - < 30	Diethylmethylbenzendiamine
	CAS: 68479-98-1, EINECS/ELINCS: 270-877-4, EU-INDEX: 612-130-00-0
	GHS/CLP: Acute Tox. 4: H302 H312 - Eye Irrit. 2: H319 - STOT RE 2: H373 - Aquatic Chronic 1: H410 - Aquatic Acute 1: H400, M = 1
0,1 - < 1	Titanium dioxide
	CAS: 13463-67-7, EINECS/ELINCS: 236-675-5
	GHS/CLP: Carc. 2: H351
0,1 - < 1	Carbon Black
	CAS: 1333-86-4, EINECS/ELINCS: 215-609-9
	GHS/CLP: Carc. 2: H351

Comment on component parts Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
 For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information	Take off contaminated clothing and wash before reuse.
Inhalation	Ensure supply of fresh air. Remove the victim into fresh air and keep him calm. In the event of symptoms seek medical treatment.
Skin contact	Immediate medical treatment necessary, as untreated burns can result in slow-healing wounds. In case of contact with skin wash off immediately with soap and water.
Eye contact	Consult a doctor immediately. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	Consult a doctor immediately. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Product is caustic.
Gastro-intestinal complains.
Nausea, vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Keep under medical supervision for at least 48 hours.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	foam, dry powder, water spray jet, carbon dioxide
Extinguishing media that must not be used	Full water jet

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.
Carbon dioxide (CO₂)
Carbon monoxide (CO)
Nitrogen oxides (NO_x).

5.3 Advice for firefighters

Use self-contained breathing apparatus.
Wear full protective suit.
Collect contaminated firefighting water separately, must not be discharged into the drains.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Wear suitable protective equipment. For personal protection see SECTION 8.
Use breathing apparatus if exposed to vapours.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.
Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, universal absorbent, diatomaceous earth).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

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

Use only in well-ventilated areas.
Avoid formation of aerosols.
Open and handle container with care.
Avoid spilling or spraying in enclosed areas.
Avoid contact with eyes and skin. Use personal protective equipment.

Do not eat, drink, smoke or take drugs at work.
Contaminated work clothing should not be allowed out of the workplace.
Take off contaminated clothing and wash before reuse.
Wash hands before breaks and after work.
Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Prevent penetration into the ground.
Do not store together with oxidizing agents.
Do not store together with acids.
Do not store together with metals.
Do not store together with food and animal food/diet.
Keep container tightly closed.
Keep container in a well-ventilated place.
Protect from heat/overheating and from sun.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection**8.1 Control parameters****Ingredients with occupational exposure limits to be monitored (GB)**

Substance
Carbon Black
CAS: 1333-86-4, EINECS/ELINCS: 215-609-9
Long-term exposure: 3,5 mg/m ³
Short-term exposure (15-minute): 7 mg/m ³

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8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
Eye protection	Tightly fitting goggles. (EN 166:2001)
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. 0,4 mm, Nitrile rubber, >480 min (EN 374-1/-2/-3). 0,5 mm, Chloroprene, >480 min (EN 374-1/-2/-3). 0,7 mm, >480 min, PVC (EN 374-1/-2/-3).
Skin protection	Protective clothing.
Other	Do not breathe vapour/spray. Avoid contact with eyes and skin. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
Respiratory protection	If ventilation is insufficient, wear respiratory protection. Short term: filter apparatus, filter A. (DIN EN 14387)
Thermal hazards	not applicable
Delimitation and monitoring of the environmental exposition	Comply with applicable environmental regulations limiting discharge to air, water and soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	liquid
Color	various
Odor	amine-like
Odour threshold	No information available.
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	No information available.
Flash point [°C]	> 60
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	No information available.
Density [g/ml]	0,98 - 1,02 (20 °C / 68,0 °F)
Bulk density [kg/m³]	not applicable
Solubility in water	immiscible
Partition coefficient [n-octanol/water]	No information available.
Viscosity	300 - 700 mPas
Relative vapour density determined in air	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Autoignition temperature [°C]	No information available.
Decomposition temperature [°C]	No information available.

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.
Exothermic reaction with:
Acids
Corrosive to metals.

10.4 Conditions to avoid

To avoid thermal decomposition, do not overheat.

10.5 Incompatible materials

See SECTION 10.3.

10.6 Hazardous decomposition products

No dangerous reactions known if used as directed.
In the event of fire: See SECTION 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product
ATE-mix, dermal, > 2000 mg/kg.
ATE-mix, oral, > 1000 - < 2000 mg/kg.
Substance
Diethylmethylbenzendiamine, CAS: 68479-98-1
LD50, oral, Rat: 472 mg/kg bw (GESTIS).
ATE, dermal, 1100 mg/kg.
Polyoxypropylenediamine, CAS: 9046-10-0
LD50, dermal, 2980 mg/kg.
LD50, oral, 2885 mg/kg.
LC50, inhalative, 740 mg/m ³ /8h.
Carbon Black, CAS: 1333-86-4
LD50, oral, Rat: > 8000 mg/kg (Lit.).

Serious eye damage/irritation	Risk of serious damage to eyes. Calculation method
Skin corrosion/irritation	Product is caustic. Calculation method
Respiratory or skin sensitisation	Based on the available information, the classification criteria are not fulfilled.
Specific target organ toxicity — single exposure	Based on the available information, the classification criteria are not fulfilled.
Specific target organ toxicity — repeated exposure	May cause damage to organs through prolonged or repeated exposure. (pancreas)
Mutagenicity	Based on the available information, the classification criteria are not fulfilled.
Reproduction toxicity	Based on the available information, the classification criteria are not fulfilled.
Carcinogenicity	This product contains one or more substance(s) IARC group 2B (The agent is possibly carcinogenic to humans). Based on the available information, the classification criteria are not fulfilled.
Aspiration hazard	Based on the available information, the classification criteria are not fulfilled.
General remarks	

Toxicological data of complete product are not available.
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 12: Ecological information

12.1 Toxicity

Substance
Carbon Black, CAS: 1333-86-4
LC50, (96h), Brachidanio rerio: > 1000 mg/l (OECD 203).
EC50, (72h), Scenedesmus subspicatus: > 10000 mg/l (OECD 201).
EC50, (24h), Daphnia magna: > 5600 mg/l (OECD 202).

12.2 Persistence and degradability

Behaviour in environment compartments	No information available.
Behaviour in sewage plant	Can be separated out mechanically in purification plants.
Biological degradability	No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

not applicable

12.6 Other adverse effects

The product is insoluble in water.
Ecological data of complete product are not available.
The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Dispose of as hazardous waste.
Coordinate disposal with the disposal contractor/authorities if necessary.

Waste no. (recommended) 080409*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended) 150110*

SECTION 14: Transport information

14.1 UN number

Transport by land according to ADR/RID 2735

Inland navigation (ADN) 2735

Marine transport in accordance with IMDG 2735

Air transport in accordance with IATA 2735

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14.2 UN proper shipping name

Transport by land according to ADR/RID Polyamines, liquid, corrosive, n.o.s. (Polyoxypropylendiamine)

- Classification Code

C7

- Label



- ADR LQ

5 I

- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 3 (E)

Inland navigation (ADN)

Polyamines, liquid, corrosive, n.o.s. (Polyoxypropylendiamine)

- Classification Code

C7

- Label



Marine transport in accordance with IMDG

Polyamines, liquid, corrosive, n.o.s. (Polyoxypropylendiamine, Diethylmethylbenzenediamine)

- EMS

F-A, S-B

- Label



- IMDG LQ

5 I

Air transport in accordance with IATA

Polyamines, liquid, corrosive, n.o.s. (Polyoxypropylendiamine)

- Label



14.3 Transport hazard class(es)

Transport by land according to ADR/RID 8

Inland navigation (ADN) 8

Marine transport in accordance with IMDG 8

Air transport in accordance with IATA 8

14.4 Packing group

Transport by land according to ADR/RID III

Inland navigation (ADN) III

Marine transport in accordance with IMDG III

Air transport in accordance with IATA III

14.5 Environmental hazards

Transport by land according to ADR/RID	yes
Inland navigation (ADN)	yes
Marine transport in accordance with IMDG	MARINE POLLUTANT

Air transport in accordance with IATA yes

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

No information available.

SECTION 15: Regulatory information

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

EEC-REGULATIONS	1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014
TRANSPORT-REGULATIONS	DOT-Classification, ADR (2017); IMDG-Code (2017, 38. Amdt.); IATA-DGR (2017).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4
- Observe employment restrictions for people	Observe employment restrictions for young people. Observe employment restrictions for mothers-to-be and nursing mothers. SEVESO III (Directive 2012/18/EU), Hazard categories in accordance with Regulation (EC) No 1272/2008: E1 ENVIRONMENTAL HAZARDS Qualifying quantity (tonnes), Column 2: 100 Qualifying quantity (tonnes), Column 3: 200
- VOC (2010/75/CE)	not applicable

15.2 Chemical safety assessment

For this product a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 Hazard statements (SECTION 03)

- H351 Suspected of causing cancer.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H319 Causes serious eye irritation.
- H302+H312 Harmful if swallowed or in contact with skin.
- H412 Harmful to aquatic life with long lasting effects.
- H318 Causes serious eye damage.
- H314 Causes severe skin burns and eye damage.

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16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform Chemical Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV@TWA = Threshold limit value – time-weighted average
TLV@STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Classification procedure

Skin Corr. 1C: H314 Causes severe skin burns and eye damage. (Calculation method)
Eye Dam. 1: H318 Causes serious eye damage. (Calculation method)
STOT RE 2: H373 May cause damage to hearing organs through prolonged or repeated exposure. (Calculation method)
Acute Tox. 4: H302 Harmful if swallowed. (Calculation method)
Aquatic Acute 1: H400 Very toxic to aquatic life. (Calculation method)
Aquatic Chronic 1: H410 Very toxic to aquatic life with long lasting effects. (Calculation method)

Modified position

none



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