

SAFETY DATA SHEET

ProOne Fix-O-Chem-A

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008
 This SDS is for generic information purposes and does not reflect required country specific information for OEL
 Last revision: 27-02-2023 V1

01 Identification of the substance/mixture and of the company/undertaking

1. Product identifier

Product Name: ProOne Fix-O-Chem-A
 Article number: **new, to be created**
 Pure substance/mixture: mixture

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

Recommended use: adhesive building and construction work.
 Uses advised against: none known.

3. Details of the supplier of the safety data sheet

BME Group Sourcing B.V.
 Walaardt Sacréstraat 405
 1117 BM Schiphol
 The Netherlands
 +31 (0)20 800 34 00
 info@pro-one.nl
 www.bme-group.com

4. Emergency telephone number

Emergency telephone: no information available

02 Hazards identification

1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation: Category 2 - (H315)
 Serious eye damage/eye irritation: Category 2 - (H319)
 Skin sensitisation: Category 1 - (H317)
 Chronic aquatic toxicity: Category 3 - (H412)

2. Label elements

Contains 2-Hydroxyethyl methacrylate



A. Signal word

Warning

B. Hazard statements

H315: Causes skin irritation.
 H317: May cause an allergic skin reaction.
 H319: Causes serious eye irritation.
 H412: Harmful to aquatic life with long lasting effects.

C. Precautionary Statements - EU (§28, 1272/2008)

P101: If medical advice is needed, have product container or label at hand.
 P102: Keep out of reach of children.
 P264: Wash face, hands and any exposed skin thoroughly after handling.
 P280: Wear eye protection/ face protection.
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P501: Dispose of contents/ container to an approved waste disposal plant.

D. Additional information

This product is part of a kit. Please also refer to the SDS for the other component(s) of the kit.

3. Other hazards

No information available.
 PBT & vPvB: this mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).
 Endocrine Disruptor Information: this product does not contain any known or suspected endocrine disruptors.

03 Composition/information on ingredients

1. Substances

Not applicable.

2. Mixtures

Chemical name	EC No (EU Index No)	CAS No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	REACH registration number
Quartz 40- < 80%	238-878-4	14808-60-7	[B]	-	-	-	[5]
2-Hydroxyethyl methacrylate 10- < 20%	(607-124-00-X) 212-782-2	868-77-9	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317)	-	-	-	01-2119490169-29-xxxx
Vinyl Toluene 5- < 10%	246-562-2	25013-15-4	Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H332) Flam Liq. 3 (H226) Aquatic Chronic 2 (H411)	-	-	-	01-2119622074-50-xxxx

NOTE [5] - This substance is exempted from registration according to the provisions of Article 2(7)(a) and Annex V of REACH.
 Classification according to Regulation (EC) No. 1272/2008 [CLP] - Notes [B] - Substance with a Community workplace exposure limit.

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Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components.

Chemical name	EC No (EU Index No)	CAS No	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 4 hour - dust/mist - mg/l	Inhalation LC50 4 hour - vapour - mg/l	Inhalation LC50 4 hour - gas - ppm
Quartz	238-878-4	14808-60-7	-	-	-	-	-
2-Hydroxyethyl methacrylate	(607-124-00-X) 212-782-2	868-77-9	-	-	-	-	-
Vinyl Toluene	246-562-2	25013-15-4	-	-	1.5	11	-

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59).
Notes: see section 16 for more information.

Chemical name	Notes
2-Hydroxyethyl methacrylate - 868-77-9	D

04 First aid measures

1. Description of first aid measures

A. General advice

Show this safety data sheet to the doctor in attendance.

B. Inhalation

Remove to fresh air. Get medical attention immediately if symptoms occur.

C. Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

D. Skin contact

May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor. Wash off immediately with soap and plenty of water for at least 15 minutes.

E. Ingestion

Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.

F. Self-protection of the first aider

Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

Symptoms: itching, rashes, hives. May cause redness and tearing of the eyes. Burning sensation.

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

Note to doctors: may cause sensitisation in susceptible persons. Treat symptomatically.

05 Firefighting measures

1. Extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: no information available.

2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical: product is or contains a sensitiser. May cause sensitisation by skin contact.

Hazardous combustion products: carbon oxides.

3. Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

06 Accidental release measures

1. Personal precautions, protective equipment and emergency procedures

Personal precautions: avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other information: refer to protective measures listed in Sections 7 and 8.

For emergency responders: use personal protection recommended in Section 8.

2. Environmental precautions

Prevent further leakage or spillage if safe to do so.

3. Methods and material for containment and cleaning up

Methods for containment: prevent further leakage or spillage if safe to do so.

Methods for cleaning up: take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards: clean contaminated objects and areas thoroughly observing environmental regulations.

4. Reference to other sections

See section 8 and 13 for more information.

07 Handling and storage

1. Precautions for safe handling

Advice on safe handling: handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. This product is part of a kit. Please also refer to the SDS for the other component(s) of the kit.

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General hygiene considerations: wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

3. Specific end use(s)

Specific use(s): adhesive. Building and construction work. Risk Management Methods (RMM): the information required is contained in this Safety Data Sheet. Other information: observe technical data sheet.

08 Exposure controls/personal protection

1 Control parameters

Exposure limits

Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

Chemical name	United Kingdom
Quartz (14808-60-7)	TWA: 0.1 mg/m ³

Derived No Effect Level (DNEL):
no information available.

Derived No Effect Level (DNEL)

Quartz (14808-60-7)

2-Hydroxyethyl methacrylate (868-77-9)

Type	Exposure route	Derived No Effect Level (DNEL)
Worker, Long term Systemic health effects	Inhalation	4.9 mg/m ³
Worker, Long term Systemic health effects	Dermal	1.3 mg/kg bw/d

Derived No Effect Level (DNEL)

2-Hydroxyethyl methacrylate (868-77-9)

Type	Exposure route	Derived No Effect Level (DNEL)
Consumer, Long term Systemic health effects	Inhalation	2.9 mg/m ³
Consumer, Long term Systemic health effects	Dermal	0.83 mg/kg bw/d
Consumer, Long term Systemic health effects	Oral	0.83 mg/kg bw/d

Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)

2-Hydroxyethyl methacrylate (868-77-9)

Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.482 mg/l
Marine water	0.482 mg/l
Sewage treatment plant	10 mg/l
Soil	0.476 mg/kg dry weight

2. Exposure controls

A. Engineering controls

Ensure adequate ventilation, especially in confined areas.

B. Personal protective equipment

- Eye/face protection: tight sealing safety goggles.
- Skin and body protection: suitable protective clothing.

C. Environmental exposure controls

No information available.

09 Physical and chemical properties

1. Information on basic physical and chemical properties

Physical state	Solid
Appearance	Paste
Colour	Cream
Odour	Characteristic.
Odour threshold	No information available

Property	Values
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flammability	No data available
Flammability Limit in Air	
Upper flammability or explosive limits	No data available
Lower flammability or explosive limits	No data available
Flash point	No data available
Autoignition temperature	No data available
Decomposition temperature	None known
pH	Insoluble in water
pH (as aqueous solution)	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available
Water solubility	Insoluble in water
Solubility(ies)	No data available
Partition coefficient	No data available
Vapour pressure	No data available
Relative density	No data available
Bulk Density	No data available
Density	1.60 - 1.80 g/cm ³
Relative vapour density	No data available
Particle characteristics	
Particle Size	No information available
Particle Size Distribution	No information available

2. Other information

A. Solid content (%)

No information available

B. VOC Content

No data available

C. Information with regards to physical hazard classes

Not applicable

D. Other safety characteristics

No information available

10 Stability and reactivity

1. Reactivity

No information available.

2. Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact: none.

Sensitivity to static discharge: none.

3. Possibility of hazardous reactions

None under normal processing.

4. Conditions to avoid

None known based on information supplied.

5. Incompatible materials

Strong acids. Strong bases. Strong oxidising agents.

6. Hazardous decomposition products

None under normal use conditions. Stable under recommended storage conditions.

11 Toxicological information**1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Information on likely routes of exposure****Product information****A. Inhalation**

Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

B. Eye contact

Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

C. Skin contact

May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation.

D. Ingestion

Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

E. Symptoms related to the physical, chemical and toxicological characteristics

Symptoms: itching, rashes, hives, redness. May cause redness and tearing of the eyes.

F. Acute toxicity**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document:

- ATEmix (inhalation-dust/mist) 15.80 mg/l
- ATEmix (inhalation-vapour) 115.50 mg/l

Component information:

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Quartz	> 2000 mg/kg (Rattus)	-	-
2-Hydroxyethyl methacrylate	= 5050 mg/kg (Rattus)	> 3000 mg/kg (Oryctolagus cuniculus)	-
Vinyl Toluene	= 2000 - 5000 mg/kg (Rattus)	> 5 mL/kg (Rabbit)	> 16891 mg/m ³ (Rat) 4 h

G. Delayed and immediate effects as well as chronic effects from short and long-term exposure

- Skin corrosion/irritation: classification based on data available for ingredients. Irritating to skin.
- Serious eye damage/eye irritation: classification based on data available for ingredients. Causes serious eye irritation.
- Respiratory or skin sensitisation: may cause sensitisation by skin contact.
- Germ cell mutagenicity: based on available data, the classification criteria are not met.
- Carcinogenicity: based on available data, the classification criteria are not met.
- Reproductive toxicity: based on available data, the classification criteria are not met.
- STOT - single exposure: based on available data, the classification criteria are not met.
- STOT - repeated exposure: based on available data, the classification criteria are not met.
- Aspiration hazard: based on available data, the classification criteria are not met.

2 Information on other hazards**A. Endocrine disrupting properties**

No information available.

B. Other adverse effects

No information available.

Note: PC-ADH-8 Multi-component adhesives and sealants This product is part of a kit, please also refer to the SDS for the other component(s) of the kit.

12 Ecological information**1. Toxicity**

Ecotoxicity: harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
2-Hydroxyethyl methacrylate 868-77-9	-	LC50: 213 - 242mg/L (96h, Pimephales promelas) LC50: =227mg/L (96h, Pimephales)	-	-
Vinyl Toluene 25013-15-4	LC50 (72h) =2.6 mg/l algae (Selenastrum capricornutum)	LC50: = 23.4mg/L (96h, Pimephales rafinesque)	-	LC50 (48h) =1.3 mg/l Daphnia magna

2. Persistence and degradability

No information available.

3. Bioaccumulative potential

Bioaccumulation

Component Information:

Chemical name	Partition coefficient
2-Hydroxyethyl methacrylate	0.42
Vinyl Toluene	3.36

4. Mobility in soil

No information available.

5. Results of PBT and vPvB assessment

PBT and vPvB assessment: the product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

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Chemical name	PBT and vPvB assessment
2-Hydroxyethyl methacrylate	The substance is not PBT/vPvB
Vinyl Toluene	The substance is not PBT/vPvB

6. Endocrine disrupting properties

No information available.

7. Other adverse effects

No information available.

13 Disposal considerations

1. Waste treatment methods

A. Waste from residues/unused products

Dispose of in accordance with local regulations.

Dispose of waste in accordance with environmental legislation.

B. Contaminated packaging

Do not reuse empty containers.

C. Other information

Waste codes should be assigned by the user based on the application for which the product was used.

14 Transport information

1. Land transport (ADR/RID)

A. UN number or ID number

Not regulated

B. Proper shipping name

Not regulated

C. Transport hazard class(es)

Not regulated

D. Packing group

Not regulated

E. Environmental hazards

Not applicable

F. Special provisions

None

2. IMDG

A. UN number or ID number

Not regulated

B. Proper shipping name

Not regulated

C. Transport hazard class(es)

Not regulated

D. Packing group

Not regulated

E. Marine pollutant

NP

F. Special provisions

None

G. Maritime transport in bulk according to IMO instruments

Not applicable

3. Air transport (ICAO-TI/IATA-DGR)

A. UN number or ID number

Not regulated

B. Proper shipping name

Not regulated

C. Transport hazard class(es)

Not regulated

D. Packing group

Not regulated

E. Environmental hazards

Not applicable

F. Special provisions

None

15 Regulatory information

1. Safety, health and environmental regulations/ legislation specific for the substance or mixture European Union

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

– SVHC: Substances of Very High Concern for Authorisation: this product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59).

– EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction: this product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

– Substance subject to authorisation per REACH Annex XIV: this product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV).

– Ozone-depleting substances (ODS) regulation (EC) 1005/2009: not applicable.

– Persistent Organic Pollutants: not applicable.

National regulations

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
Quartz 14808-60-7	RG 25
2-Hydroxyethyl methacrylate 868-77-9	RG 65

Germany

Ordinance on Industrial Safety and Health - Germany - BetrSichV: no flammable liquids in accordance with BetrSichV.

Water hazard class (WGK): slightly hazardous to water (WGK 1).

Netherlands

List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)

Chemical name	Netherlands - List of Carcinogens
Quartz 14808-60-7	Present (respirable dust, crystalline)

Denmark

Registration number(s) (P-no.): no information available.

Norway

Registration number(s) (PRN-no.): no information available.

2. Chemical safety assessment

Chemical safety assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No chemical safety assessment has been carried out for this mixture.

16 Other information

Key or legend to abbreviations and acronyms used in the safety data sheet. Full text of H-Statements referred to under section 3:

- H226: Flammable liquid and vapour
 H304: May be fatal if swallowed and enters airways
 H315: Causes skin irritation
 H317: May cause an allergic skin reaction
 H319: Causes serious eye irritation
 H332: Harmful if inhaled
 H411: Toxic to aquatic life with long lasting effects

Notes relating to the identification, classification and labelling of substances

Note D: certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.

SVHC: Substances of Very High Concern for Authorisation:

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals

STOT RE: Specific target organ toxicity - Repeated exposure

STOT SE: Specific target organ toxicity - Single exposure

EWC: European Waste Catalogue

LOW: List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IATA: International Air Transport Association

ICAO: ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG: International Maritime Dangerous Goods

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

Legend Section 8: Exposure controls/personal protection

TWA: Time Weighted Average

AGW: Occupational exposure limit value

Ceiling: Maximum limit value

STEL: Short Term Exposure Limit

BGW: Biological limit value

*: Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - Vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

- European Food Safety Authority (EFSA)
- European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
- European Chemicals Agency (ECHA) (ECHA_API)
- EPA (Environmental Protection Agency)
- Acute Exposure Guideline Level(s) (AEGl(s))
- International Uniform Chemical Information Database (IUCLID)
- National Institute of Technology and Evaluation (NITE)
- NIOSH (National Institute for Occupational Safety and Health)
- Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
- Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
- Organisation for Economic Co-operation and Development Screening Information Data Set

Disclaimer

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