



Safety Data Sheet (UK REACH) (GB)

## Power Weld MMA 4-8 Minutes milky activator

Date printed 04.02.2022, Revision 04.02.2022

Version 02. Supersedes version: 01

Page 1 / 18

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

#### 1.1 Product identifier

**Power Weld MMA 4-8 Minutes milky activator**

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

##### 1.2.1 Relevant uses

Adhesive  
Activator

##### 1.2.2 Uses advised against

None known.

#### 1.3 Details of the supplier of the safety data sheet

<b>Company</b>	Voelkel Industrie Produkte GmbH Rudolf-Diesel-Strasse 11 86551 Aichach / GERMANY Phone +49 (0) 8251 9047 5 0 Fax +49 (0) 8251 9047 5 99 Homepage <a href="http://www.vip-gmbh.com">www.vip-gmbh.com</a> E-mail <a href="mailto:info@vip-gmbh.com">info@vip-gmbh.com</a>
----------------	---

##### Address enquiries to

**Technical information** [info@vip-gmbh.com](mailto:info@vip-gmbh.com)

**Safety Data Sheet** [sdb@chemiebuero.de](mailto: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 [REGULATION (GB) CLP]

Flam. Liq. 2: H225 Highly flammable liquid and vapour.  
Skin Corr. 1B: H314 Causes severe skin burns and eye damage.  
Eye Dam. 1: H318 Causes serious eye damage.  
Skin Sens. 1: H317 May cause an allergic skin reaction.  
STOT SE 3: H335 May cause respiratory irritation.  
Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects.




**Power Weld MMA 4-8 Minutes milky activator**

Date printed 04.02.2022, Revision 04.02.2022

Version 02. Supersedes version: 01

Page 2 / 18

**2.2 Label elements**

	The product is required to be labelled in accordance with regulation CLP.	
<b>Hazard pictograms</b>	  	
<b>Signal word</b>	DANGER	
<b>Contains:</b>	Methyl methacrylate Methacrylic acid Cumene hydroperoxide Tosyl chloride	
<b>Hazard statements</b>	H225 Highly flammable liquid and vapour. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation. H412 Harmful to aquatic life with long lasting effects.	
<b>Precautionary statements</b>	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves / protective clothing / eye protection / face protection. P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P310 Immediately call a POISON CENTER / doctor. 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. P405 Store locked up. P501 Dispose of contents/container in accordance with local/national regulation.	

**2.3 Other hazards**

<b>Environmental hazards</b>	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
<b>Other hazards</b>	Further hazards were not determined with the current level of knowledge.

**SECTION 3: Composition / Information on ingredients****3.1 Substances**  
not applicable

**Power Weld MMA 4-8 Minutes milky activator**

**3.2 Mixtures**

The product is a mixture.

Range [%]	Substance
50 - 70	Methyl methacrylate CAS: 80-62-6, EINECS/ELINCS: 201-297-1, EU-INDEX: 607-035-00-6, Reg-No.: 01-2119452498-28-XXXX GHS/CLP: Flam. Liq. 2: H225 - Skin Irrit. 2: H315 - Skin Sens. 1: H317 - STOT SE 3: H335
1 - <10	Urethane Methacrylate Oligomer CAS: 82339-26-2, EINECS/ELINCS: Polymer GHS/CLP: Skin Irrit. 2: H315 - Eye Irrit. 2: H319
1 - <10	Methacrylic acid CAS: 79-41-4, EINECS/ELINCS: 201-204-4, EU-INDEX: 607-088-00-5, Reg-No.: 01-2119463884-26-xxxx GHS/CLP: Acute Tox. 4: H302 - Acute Tox. 4: H332 - Acute Tox. 3: H311 - Skin Corr. 1A: H314 - Eye Dam. 1: H318 - STOT SE 3: H335 SCL [%]: 1: STOT SE 3: H335
1 - <3	Tosyl chloride CAS: 98-59-9, EINECS/ELINCS: 202-684-8 GHS/CLP: Skin Irrit. 2: H315 - Eye Dam. 1: H318 - Skin Sens. 1A: H317
1 - <1,5	2,6-di-tert-butyl-p-cresol CAS: 128-37-0, EINECS/ELINCS: 204-881-4 GHS/CLP: Aquatic Acute 1: H400 - Aquatic Chronic 1: H410, M-Factor (acute): 1, M-Factor (chronic): 1
1 - <2,5	Cumene hydroperoxide CAS: 80-15-9, EINECS/ELINCS: 201-254-7, EU-INDEX: 617-002-00-8 GHS/CLP: Org. Perox. E: H242 - Acute Tox. 3: H331 - Acute Tox. 4: H302 H312 - STOT RE 2: H373 - Skin Corr. 1B: H314 - Aquatic Chronic 2: H411 SCL [%]: 1 - <10: Skin Irrit. 2: H315, >= 10: Skin Corr. 1B: H314, < 10: STOT SE 3: H335, 3 - <10: Eye Dam. 1: H318, 1 - <3: Eye Irrit. 2: H319

**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**

Remove contaminated soaked clothing immediately and dispose of safely.

**Inhalation**

Ensure supply of fresh air.  
In the event of symptoms seek medical treatment.

**Skin contact**

In case of contact with skin wash off immediately with soap and water.  
Immediate medical treatment necessary, as untreated burns can result in slow-healing wounds.

**Eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

**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.

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

Treat symptomatically.  
Forward this sheet to your doctor.

## Power Weld MMA 4-8 Minutes milky activator

### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media** Carbon dioxide.  
Water spray jet.  
Dry powder.  
Foam.

**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.

#### 5.3 Advice for firefighters

Use self-contained breathing apparatus.  
Cool containers at risk with water spray jet.  
Collect contaminated firefighting water separately, must not be discharged into the drains.  
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Keep away from all sources of ignition.  
Ensure adequate ventilation.  
Use personal protective clothing.

#### 6.2 Environmental precautions

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

#### 6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, sawdust, 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

Provide good room ventilation even at ground level (vapours are heavier than air).  
Avoid contact with eyes and skin. Use personal protective equipment.  
Place the container in an upright position and protect it against falling over.  
Open and handle container with care.

Take precautionary measures against static discharges.  
Keep away from all sources of ignition - Refrain from smoking.  
Vapours can form an explosive mixture with air.

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



Safety Data Sheet (UK REACH) (GB)

## Power Weld MMA 4-8 Minutes milky activator

Date printed 04.02.2022, Revision 04.02.2022

Version 02. Supersedes version: 01

Page 5 / 18

### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Do not store together with oxidizing agents.

Keep container tightly closed.

Keep container in a well-ventilated place.

Protect from light.

Protect from heat/overheating.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

**Power Weld MMA 4-8 Minutes milky activator**

**SECTION 8: Exposure controls / personal protection**

**8.1 Control parameters**

**Ingredients with occupational exposure limits to be monitored (GB)**

Substance
Methyl methacrylate
CAS: 80-62-6, EINECS/ELINCS: 201-297-1, EU-INDEX: 607-035-00-6, Reg-No.: 01-2119452498-28-XXXX
Long-term exposure: 50 ppm, 208 mg/m <sup>3</sup>
Short-term exposure (15-minute): 100 ppm, 416 mg/m <sup>3</sup>
Tosyl chloride
CAS: 98-59-9, EINECS/ELINCS: 202-684-8
Short-term exposure (15-minute): 5 mg/m <sup>3</sup>
2,6-di-tert-butyl-p-cresol
CAS: 128-37-0, EINECS/ELINCS: 204-881-4
Long-term exposure: 10 mg/m <sup>3</sup>
Methacrylic acid
CAS: 79-41-4, EINECS/ELINCS: 201-204-4, EU-INDEX: 607-088-00-5, Reg-No.: 01-2119463884-26-xxxx
Long-term exposure: 20 ppm, 72 mg/m <sup>3</sup>
Short-term exposure (15-minute): 40 ppm, 143 mg/m <sup>3</sup>

**Ingredients with occupational exposure limits to be monitored (EU)**

Substance / EC LIMIT VALUES
Methyl methacrylate
CAS: 80-62-6, EINECS/ELINCS: 201-297-1, EU-INDEX: 607-035-00-6, Reg-No.: 01-2119452498-28-XXXX
Eight hours: 50 ppm
Short-term (15-minute): 100 ppm

**DNEL**

Substance
Methyl methacrylate, CAS: 80-62-6
Industrial, inhalative, Long-term - local effects, 208 mg/m <sup>3</sup>
Industrial, inhalative, Acute - local effects, 416 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 13,67 mg/kg bw/d
Industrial, dermal, Long-term - local effects, 1,5 mg/cm <sup>2</sup>
Industrial, dermal, Acute - local effects, 1,5 mg/cm <sup>2</sup>
Industrial, inhalative, Long-term - systemic effects, 348,4 mg/m <sup>3</sup>
general population, dermal, Acute - local effects, 1,5 mg/cm <sup>2</sup>
general population, inhalative, Long-term - systemic effects, 74,3 mg/m <sup>3</sup>
general population, inhalative, Long-term - local effects, 104 mg/m <sup>3</sup>
general population, dermal, Long-term - systemic effects, 8,2 mg/kg bw/d
general population, dermal, Long-term - local effects, 1,5 mg/cm <sup>2</sup>
general population, oral, Long-term - systemic effects, 8,2 mg/kg bw/day
general population, inhalative, Acute - local effects, 208 mg/m <sup>3</sup>
Methacrylic acid, CAS: 79-41-4
Industrial, inhalative, Long-term - local effects, 88 mg/m <sup>3</sup>

**Power Weld MMA 4-8 Minutes milky activator**

Industrial, dermal, Long-term - systemic effects, 4,25 mg/kg bw/d
Industrial, inhalative, Long-term - systemic effects, 29,6 mg/m <sup>3</sup>
general population, inhalative, Long-term - systemic effects, 6,3 mg/m <sup>3</sup>
general population, inhalative, Long-term - local effects, 6,55 mg/m <sup>3</sup>
general population, dermal, Long-term - systemic effects, 2,55 mg/kg bw/d

**PNEC**

Substance
Methyl methacrylate, CAS: 80-62-6
sediment (seawater), 0,102 mg/kg sediment dw
sediment (seawater), 1,48 mg/kg soil dw
sediment (freshwater), 10,2 mg/kg sediment dw
sewage treatment plants (STP), 10 mg/L
seawater, 0,094 mg/L
freshwater, 0,94 mg/L
Methacrylic acid, CAS: 79-41-4
soil, 1,2 mg/kg dw
sewage treatment plants (STP), 10 mg/l
seawater, 0,82 mg/l
freshwater, 0,82 mg/l

**8.2 Exposure controls**

<b>Additional advice on system design</b>	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.
<b>Eye protection</b>	Safety glasses. (EN 166:2001)
<b>Hand protection</b>	The details concerned are recommendations. Please contact the glove supplier for further information. In full contact: > 0,7 mm, Butyl rubber, >480 min (EN 374-1/-2/-3). In splash contact: > 0,7 mm, Butyl rubber, >60 min (EN 374-1/-2/-3).
<b>Skin protection</b>	light protective clothing
<b>Other</b>	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. Do not inhale vapours. Avoid contact with eyes and skin.
<b>Respiratory protection</b>	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, filter A. (DIN EN 14387)
<b>Thermal hazards</b>	No information available.
<b>Delimitation and monitoring of the environmental exposition</b>	Protect the environment by applying appropriate control measures to prevent or limit emissions.

## Power Weld MMA 4-8 Minutes milky activator

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Physical state	Gel
Color	amber colour
Odor	characteristic
Odour threshold	No information available.
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	No information available.
Flash point [°C]	15
Flammability (solid, gas) [°C]	No information available.
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/cm <sup>3</sup> ]	0,97
Relative density	No information available.
Bulk density [kg/m <sup>3</sup> ]	not applicable
Solubility in water	immiscible
Solubility other solvents	No information available.
Partition coefficient [n-octanol/water]	not applicable
Kinematic viscosity	No information available.
Relative vapour density	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature [°C]	No information available.
Particle characteristics	not applicable

#### 9.2 Other information

Dynamic viscosity: 130.000 - 150.000 mPas (20°C).

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

See SECTION 10.3.

#### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

#### 10.3 Possibility of hazardous reactions

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.  
Reactions with reducing agents, heavy metals.  
Reactions with strong oxidizing agents.



Safety Data Sheet (UK REACH) (GB)

## Power Weld MMA 4-8 Minutes milky activator

Date printed 04.02.2022, Revision 04.02.2022

Version 02. Supersedes version: 01

Page 9 / 18

### 10.4 Conditions to avoid

Strong heating.

### 10.5 Incompatible materials

See SECTION 7

### 10.6 Hazardous decomposition products

Flammable gases/vapours.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute oral toxicity

Product
Based on the available information, the classification criteria are not fulfilled.
Substance
Cumene hydroperoxide, CAS: 80-15-9
LD50, oral, Rat, 382 mg/kg IUCLID
Tosyl chloride, CAS: 98-59-9
LD10, oral, Rat, 4680 mg/kg bw
2,6-di-tert-butyl-p-cresol, CAS: 128-37-0
LD50, oral, Rat, > 2930 mg/kg (Lit.)
Methyl methacrylate, CAS: 80-62-6
LD50, oral, Rat, > 5000 mg/kg (OECD 401)
Methacrylic acid, CAS: 79-41-4
LD50, oral, Rat, 1320 mg/kg bw

#### Acute dermal toxicity

Product
Based on the available information, the classification criteria are not fulfilled.
Substance
Cumene hydroperoxide, CAS: 80-15-9
LD50, dermal, Rabbit, 0,126 mL/kg bw=133,6 mg/kg bw
LD50, dermal, Rat, 0,5 - 1,43 mL/kg bw
2,6-di-tert-butyl-p-cresol, CAS: 128-37-0
LD50, dermal, Rabbit, > 2000 mg/kg (Lit.)
Methyl methacrylate, CAS: 80-62-6
LD50, dermal, Rabbit, > 5000 mg/kg
Methacrylic acid, CAS: 79-41-4
LD50, dermal, Rabbit, 500 - 1000 mg/kg

#### Acute inhalational toxicity

Product
Based on the available information, the classification criteria are not fulfilled.
Substance
Cumene hydroperoxide, CAS: 80-15-9
LC50, inhalative, Rat, 220 ppm 4h IUCLID
Methyl methacrylate, CAS: 80-62-6
LC50, inhalative, Rat, 29,8 mg/l
Methacrylic acid, CAS: 79-41-4
LC50, inhalation (vapour), Rat, 7,1 mg/l, 4h

**Power Weld MMA 4-8 Minutes milky activator**

**Serious eye damage/irritation**

Risk of serious damage to eyes.  
Calculation method

Substance
Cumene hydroperoxide, CAS: 80-15-9
Causes serious eye damage.
Tosyl chloride, CAS: 98-59-9
Causes serious eye damage.
2,6-di-tert-butyl-p-cresol, CAS: 128-37-0
no adverse effect observed
Methyl methacrylate, CAS: 80-62-6
Eye, non-irritating
Methacrylic acid, CAS: 79-41-4
Eye, Rabbit, irritant

**Skin corrosion/irritation**

Product is caustic.  
Calculation method

Substance
Cumene hydroperoxide, CAS: 80-15-9
corrosive
Tosyl chloride, CAS: 98-59-9
irritant
2,6-di-tert-butyl-p-cresol, CAS: 128-37-0
no adverse effect observed
Methyl methacrylate, CAS: 80-62-6
dermal, irritant
Methacrylic acid, CAS: 79-41-4
dermal, Rabbit, OECD 404, corrosive

**Respiratory or skin sensitisation**

May cause an allergic skin reaction.  
Calculation method

Substance
Tosyl chloride, CAS: 98-59-9
sensitising
2,6-di-tert-butyl-p-cresol, CAS: 128-37-0
dermal, no adverse effect observed
Methyl methacrylate, CAS: 80-62-6
inhalative, no adverse effect observed
dermal, sensitising
Methacrylic acid, CAS: 79-41-4
dermal, Guinea pig, OECD 406, non-sensitizing

**Specific target organ toxicity — single exposure**

May cause respiratory irritation.  
Calculation method

Substance
Cumene hydroperoxide, CAS: 80-15-9
inhalative, adverse effect observed
Methyl methacrylate, CAS: 80-62-6
inhalative, irritant

**Power Weld MMA 4-8 Minutes milky activator**

**Specific target organ toxicity — repeated exposure** Based on the available information, the classification criteria are not fulfilled.

Substance
Cumene hydroperoxide, CAS: 80-15-9
adverse effect observed
Methyl methacrylate, CAS: 80-62-6
NOAEL, oral, Rat, 124 mg/kg bw/day (chronic), no adverse effect observed
NOAEC, inhalative, Rat, 2080 mg/m <sup>3</sup> (chronic), no adverse effect observed
Methacrylic acid, CAS: 79-41-4
LOAEC, inhalative, Rat, 250 - 350 ppm, OECD 413

**Mutagenicity** Based on the available information, the classification criteria are not fulfilled.

Substance
2,6-di-tert-butyl-p-cresol, CAS: 128-37-0
in vivo, negativ
in vitro, negativ
Methyl methacrylate, CAS: 80-62-6
in vivo, no adverse effect observed
in vitro, The effects observed are not sufficient for classification.

**Reproduction toxicity** Based on the available information, the classification criteria are not fulfilled.

Substance
Cumene hydroperoxide, CAS: 80-15-9
NOAEL, oral, Rat, 100 mg/kg bw/d (Effect on developmental toxicity), no adverse effect observed
Tosyl chloride, CAS: 98-59-9
NOAEL, oral, Rat, 936 mg/kg bw/d (Effect on developmental toxicity), no adverse effect observed
NOAEL, oral, Rat, 750 mg/kg bw/d (Effect on fertility), no adverse effect observed
2,6-di-tert-butyl-p-cresol, CAS: 128-37-0
NOAEL, oral, Rat, 25 mg/kg bw/d (Effect on developmental toxicity), The effects observed are not sufficient for classification.
Methyl methacrylate, CAS: 80-62-6
NOAEL, oral, Rabbit, 450 mg/kg bw/day (subacute), no adverse effect observed
NOAEC, inhalative, Rat, 8 300 mg/m <sup>3</sup> (subacute), no adverse effect observed

**Carcinogenicity** Based on the available information, the classification criteria are not fulfilled.

Substance
Methyl methacrylate, CAS: 80-62-6
NOAEL, oral, Rat, 90,3 mg/kg bw/day (chronic), no adverse effect observed
NOAEC, inhalative, Rat, 2050 mg/m <sup>3</sup> (chronic), no adverse effect observed

**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.

**Power Weld MMA 4-8 Minutes milky activator**

**11.2 Information on other hazards**

**Endocrine disrupting properties** No information available.  
**Other information** none

**SECTION 12: Ecological information**

**12.1 Toxicity**

Substance
Cumene hydroperoxide, CAS: 80-15-9
LC50, (96h), Oncorhynchus mykiss, 3,9 mg/l
EC50, (24h), Daphnia magna, 7 mg/l
2,6-di-tert-butyl-p-cresol, CAS: 128-37-0
LC50, (48h), Oryzias latipes, 5 mg/l (IUCLID)
EC50, (72h), Scenedesmus subspicatus, > 0,42 mg/l (IUCLID)
NOEC, (21d), Daphnia magna, > 0,39 mg/l
Methyl methacrylate, CAS: 80-62-6
LC50, (96h), Oncorhynchus mykiss, > 79 mg/l (OECD 203)
EC50, (72h), Selenastrum capricornutum, > 110 mg/l (OECD 201)
EC50, (48h), Daphnia magna, 69 mg/l (OECD 202)
NOEC, (21d), Daphnia magna, 37 mg/l (OECD 202-2)
NOEC, Danio rerio, 9,4 mg/l (OECD 210)
Methacrylic acid, CAS: 79-41-4
LC50, (96h), Oncorhynchus mykiss, 85 mg/L
EC50, (72h), Algae, 20 - 45 mg/L
EC50, (48h), Invertebrates, 130 mg/L

**12.2 Persistence and degradability**

**Behaviour in environment compartments** No information available.  
**Behaviour in sewage plant** No information available.  
**Biological degradability** No information available.

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

The product is insoluble in water.

**12.5 Results of PBT and vPvB assessment**

Based on all available information not to be classified as PBT or vPvB respectively.

**12.6 Endocrine disrupting properties**

No information available.

## Power Weld MMA 4-8 Minutes milky activator

### 12.7 Other adverse effects

Ecological data of complete product are not available.  
Do not discharge product unmonitored into the environment.

## 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.  
Disposal in an incineration plant in accordance with the regulations of the local authorities.

#### Waste no. (recommended)

080409\*

#### Contaminated packaging

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

#### Waste no. (recommended)

150110\* packaging containing residues of or contaminated by hazardous substances

## SECTION 14: Transport information

### 14.1 UN number or ID number

Transport by land according to ADR/RID 2924

Inland navigation (ADN) 2924

Marine transport in accordance with IMDG 2924

Air transport in accordance with IATA 2924

**Power Weld MMA 4-8 Minutes milky activator**

**14.2 UN proper shipping name**

**Transport by land according to ADR/RID** Flammable liquid, corrosive, n.o.s. (Methyl-methacrylate, Methacrylic acid)

- Classification Code

FC

- Label



- ADR LQ

1 I

- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 2 (D/E)

**Inland navigation (ADN)**

Flammable liquid, corrosive, n.o.s. (Methyl-methacrylate, Methacrylic acid)

- Classification Code

FC

- Label



**Marine transport in accordance with IMDG**

Flammable liquid, corrosive, n.o.s. (Methyl methacrylate, Methacrylic acid)

- EMS

F-E, S-C

- Label



- IMDG LQ

1 I

**Air transport in accordance with IATA**

Flammable liquid, corrosive, n.o.s. (Methyl-methacrylate, Methacrylic acid mixture)

- Label



**14.3 Transport hazard class(es)**

**Transport by land according to ADR/RID** 3 (8)

**Inland navigation (ADN)** 3 (8)

**Marine transport in accordance with IMDG** 3 (8)

**Air transport in accordance with IATA** 3 (8)

**14.4 Packing group**

**Transport by land according to ADR/RID** II

**Inland navigation (ADN)** II

**Marine transport in accordance with IMDG** II

**Air transport in accordance with IATA** II

**Power Weld MMA 4-8 Minutes milky activator**

**14.5 Environmental hazards**

**Transport by land according to ADR/RID** no

**Inland navigation (ADN)** no

**Marine transport in accordance with IMDG** no

**Air transport in accordance with IATA** no

**14.6 Special precautions for user**

Relevant information under SECTION 6 to 8.

**14.7 Maritime transport in bulk according to IMO instruments**

No information available.

**SECTION 15: Regulatory information**

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

<b>EEC-REGULATIONS</b>	2008/98/EC 2000/532/EC); 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014
<b>TRANSPORT-REGULATIONS</b>	ADR (2021); IMDG-Code (2021, 40. Amdt.); IATA-DGR (2022)
<b>NATIONAL REGULATIONS (GB):</b>	EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.
<b>- Observe employment restrictions for people</b>	Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people. SEVESO III ( Directive 2012/18/EU), Hazard categories in accordance with Regulation (EC) No 1272/2008: P5c FLAMMABLE LIQUIDS
<b>- VOC (2010/75/CE)</b>	2,93 %

**15.2 Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

## Power Weld MMA 4-8 Minutes milky activator

### SECTION 16: Other information

#### 16.1 Hazard statements (SECTION 3)

H411 Toxic to aquatic life with long lasting effects.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H302+H312 Harmful if swallowed or in contact with skin.  
H331 Toxic if inhaled.  
H242 Heating may cause a fire.  
H410 Very toxic to aquatic life with long lasting effects.  
H400 Very toxic to aquatic life.

H318 Causes serious eye damage.  
H314 Causes severe skin burns and eye damage.  
H311 Toxic in contact with skin.  
H332 Harmful if inhaled.  
H302 Harmful if swallowed.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H317 May cause an allergic skin reaction.  
H315 Causes skin irritation.  
H225 Highly flammable liquid and vapour.

#### 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  
EL50 = Median effective loading  
ELINCS = European List of Notified Chemical Substances  
EmS = Emergency Schedules  
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  
IVIS = In vitro irritation score  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
LC0 = lethal concentration, 0%  
LOAEL = lowest-observed-adverse-effect level  
LL50 = Median lethal loading  
LQ = Limited Quantities  
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

## Power Weld MMA 4-8 Minutes milky activator

### 16.3 Other information

#### Classification procedure

Flam. Liq. 2: H225 Highly flammable liquid and vapour. (On basis of test data)  
Skin Corr. 1B: H314 Causes severe skin burns and eye damage. (Calculation method)  
Eye Dam. 1: H318 Causes serious eye damage. (On basis of test data)  
Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)  
STOT SE 3: H335 May cause respiratory irritation. (Calculation method)  
Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects. (Calculation method)

#### Modified position

SECTION 2 been added: Tosyl chloride  
SECTION 2 deleted: Propylidynetrimehanol, ethoxylated, esters with acrylic acid  
SECTION 3 deleted: Propylidynetrimehanol, ethoxylated, esters with acrylic acid  
SECTION 4 been added: Immediate medical treatment necessary, as untreated burns can result in slow-healing wounds.  
SECTION 5 been added: Collect contaminated firefighting water separately, must not be discharged into the drains.  
SECTION 7 been added: Open and handle container with care.  
SECTION 7 been added: Place the container in an upright position and protect it against falling over.  
SECTION 12 been added: The product is insoluble in water.  
SECTION 12 been added: Based on all available information not to be classified as PBT or vPvB respectively.



Copyright: Chemiebüro®

