



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)
and Regulation (EU) No 2015/830

Revision date: 25/6/2015
Version: 3
Language: en-GB,IE
Date of print: 11/5/2016

Multi Power Spezial 17 Härter

Material number MPSP17_

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

1.1 Product identifier

Trade name: Multi Power Spezial 17 Härter
This safety data sheet pertains to the following products:
MPSP17.K150_: Multi Power Spezial 17 Härter 150 ml
MPSP17.K380_: Multi Power Spezial 17 Härter 380 ml
MPSP17.K490_: Multi Power Spezial 17 Härter 490 ml

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

General use: Activator

1.3 Details of the supplier of the safety data sheet

Company name: GLUETEC Industrieklebstoffe GmbH & Co. KG
Street/POB-No.: Am Biotop 8a
Postal Code, city: 97259 Greußenheim
Germany
WWW: www.gluetec.de
E-mail: info@gluetec.de
Telephone: +49 (0)9369-98 36-0
Telefax: +49 (0)9369-98 36-10
Dept. responsible for information:
Department QS, Telephone: +49 (0)9369-98 36-0, E-mail: technik@gluetec.de

1.4 Emergency telephone number

GIZ-Nord, Göttingen, Germany,
Telephone: +49 551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Org. Perox. CD; H242	Heating may cause a fire.
Skin Irrit. 2; H315	Causes skin irritation.
Eye Irrit. 2; H319	Causes serious eye irritation.
Skin Sens. 1; H317	May cause an allergic skin reaction.
Aquatic Chronic 2; H411	Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (CLP)



Signal word: **Danger**



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Hazard statements:	H242	Heating may cause a fire.
	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
	H411	Toxic to aquatic life with long lasting effects.
Precautionary statements:	P102	Keep out of reach of children.
	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P234	Keep only in original container.
	P261	Avoid breathing vapours.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P302+P352	IF ON SKIN: Wash with plenty of water/soap.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P308+P313	IF exposed or concerned: Get medical advice/attention.
	P501	Dispose of contents/container to hazardous or special waste collection point.

Special labelling

EUH205 Contains epoxy constituents. May produce an allergic reaction.
Contains Reaction product with Bisphenol-A-(epichlorhydrin) epoxy resin (molecular weight ≤ 700) and dibenzoyl peroxide.

2.3 Other hazards

Irritation to respiratory tract. Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure.
Product enhances combustion. Danger of explosion!

Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Hazardous ingredients:

Ingredient	Designation	Content	Classification
REACH 01-2119456619-26-xxxx EC No. 500-033-5 CAS 25068-38-6	Reaction product with Bisphenol-A- (epichlorhydrin) epoxy resin (molecular weight ≤ 700)	< 45 %	Skin Irrit. 2; H315. Eye Irrit. 2; H319. Skin Sens. 1; H317. Aquatic Chronic 2; H411.
EC No. 202-327-6 CAS 94-36-0	Dibenzoyl peroxide	< 25 %	Org. Perox. B; H241. Eye Irrit. 2; H319. Skin Sens. 1; H317.
CAS 131298-44-7	Benzoic acid, C10-branched alkyl esters	< 25 %	Acute Tox. 4; H332.

Full text of H- and EUH-statements: see section 16.



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SECTION 4: First aid measures

4.1 Description of first aid measures

- General information: Always seek medical assistance if symptoms develop that are possibly due to exposure through skin or eye contact or through inhalation of fumes.
- In case of inhalation: Move victim to fresh air; if necessary, provide artificial respiration or oxygen. Immediately get medical attention.
- Following skin contact: Take off immediately all contaminated clothing. After contact with skin, wash immediately with soap and plenty of water. Do not use solvents or thinners. In case of skin irritation, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
Subsequently consult an ophthalmologist.
- After swallowing: Do not induce vomiting. Never give anything by mouth to an unconscious person.
Immediately get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction. Causes skin irritation. Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water fog, foam, extinguishing powder, carbon dioxide, sand

Extinguishing media which must not be used for safety reasons:

High power water jet

5.2 Special hazards arising from the substance or mixture

Product enhances combustion. Danger of explosion!

In case of fire may be liberated: Smoke, aldehydes, carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information: Hazchem-Code: 1WE

Do not expose to high temperature. Danger of bursting and explosion. Use fine water spray to cool endangered containers.

Move undamaged containers from immediate hazard area if it can be done safely.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Do not allow fire water to penetrate into surface or ground water.

Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.



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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe vapours. Avoid contact with the substance.
Eliminate all ignition sources if safe to do so. Provide adequate ventilation.
Wear appropriate protective equipment. Keep unprotected people away.

6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains. Danger of explosion!
In case of release, notify competent authorities.

6.3 Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).
Beware of reignition. Thoroughly clean surrounding area.
In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out). Use explosion-proof equipment and non-sparking tools/utensils.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Make sure there is sufficient air exchange and / or that working rooms are air suctioned.
Avoid the formation of aerosol. Avoid breathing vapours/spray.
Handle and open container with care. When using do not eat, drink or smoke. Wear appropriate protective equipment.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.
In partially filled containers explosive mixtures may form.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place.
Keep container dry. Keep only in the original container.
Protect from heat and direct sunlight.
Store containers in upright position. Protect from light.
Because oxygen (air) is necessary to stabilize product, fill container only to 90% of capacity.
Provide adequate oxygen (air) circulation for large containers to ensure product stability.

Hints on joint storage:

Do not store together with combustible or self-igniting materials or any highly flammable solids.

Keep away from food and drinks.

Further details:

Storage and handling of larger containers (> 10 kg): Take precautionary measures against static discharges. Use only explosion-protected equipment/instruments. Do not weld.

7.3 Specific end use(s)

No information available.



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
94-36-0	Dibenzoyl peroxide	Great Britain: WEL-TWA Ireland: 8 hours	5 mg/m ³ 5 mg/m ³

DNEL/DMEL: Information about Reaction product with Bisphenol A-epichlorhydrin epoxy resin (molecular weight = 700):
DNEL workers, short-term, systemic, dermal: 8.33 mg/kg bw/d
DNEL workers, long-term, systemic, dermal: 8.33 mg/kg bw/d
DNEL workers, short-term, systemic, inhalative: 12.25 mg/m³
DNEL workers, long-term, systemic, inhalative: 12.25 mg/m³
DNEL consumers, short-term, systemic, oral: 0.75 mg/kg bw/d
DNEL consumers, long-term, systemic, oral: 0.75 mg/kg bw/d
DNEL consumers, short-term, systemic, dermal: 3.571 mg/kg bw/d
DNEL consumers, long-term, systemic, dermal: 3.571 mg/kg bw/d

PNEC: Information about Reaction product with Bisphenol A-epichlorhydrin epoxy resin (molecular weight = 700):
PNEC water (freshwater): 0.006 mg/L
PNEC water (marine water): 0.0006 mg/L
PNEC water (intermittent release): 0.018 mg/L
PNEC sediment (freshwater): 0.996 mg/kg dw
PNEC sediment (marine water): 0.0996 mg/kg dw
PNEC soil: 0.196 mg/kg dw
PNEC sewage treatment plant: 10 mg/L
PNEC Secondary Poisoning, oral: 11 mg/kg food and feedingstuffs

8.2 Exposure controls

Provide adequate ventilation, and local exhaust as needed. Use explosion-proof ventilating equipment.

Personal protection equipment

Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. When vapours form: Use filter type A (= against vapours of organic substances) according to EN 14387.

Hand protection: Protective gloves according to EN 374.
Glove material: butyl caoutchouc (butyl rubber)
Breakthrough time: >480 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166

Body protection: Wear suitable protective clothing.



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General protection and hygiene measures:

Use only non-sparking tools. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Do not breathe vapour/aerosol. Avoid contact with skin and eyes.

Take off immediately all contaminated clothing.

When using do not eat, drink or smoke.

Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Form: pasty Colour: white up to white-grey
Odour:	No data available
Odour threshold:	No data available
pH value:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	> 93 °C
Evaporation rate:	No data available
Flammability:	Heating may cause a fire.
Explosion limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Density:	1.2 g/mL
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Viscosity, kinematic:	No data available
Explosive properties:	No data available
Oxidizing characteristics:	Product enhances combustion.

9.2 Other information

Additional information: No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Product enhances combustion.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.



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10.4 Conditions to avoid

Keep away from heat.
Protect against heat /sun rays.

10.5 Incompatible materials

Strong acids, amines, water, humidity

10.6 Hazardous decomposition products

In case of fire may be liberated: Smoke, aldehydes, carbon monoxide and carbon dioxide

Thermal decomposition: No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
May be harmful if inhaled.

ATEmix calculated: $20 \text{ mg/L} < \text{ATEmix} < 50 \text{ mg/L}$

Skin corrosion/irritation: Skin Irrit. 2; H315 = Causes skin irritation.

Eye damage/irritation: Eye Irrit. 2; H319 = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Skin Sens. 1; H317 = May cause an allergic skin reaction.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

Other information: Information about Reaction product with Bisphenol A-epichlorhydrin epoxy resin (molecular weight = 700):

LD50 Rat, oral: >2000 mg/kg (OECD 420)

LD50 Rat, dermal: >2000 mg/kg (OECD 402)

Symptoms

In case of inhalation:

Fatigue, dizziness, Disorientation, nausea. Inhalation of high concentration may cause irritations of nose, throat, and respiratory systems.

In case of ingestion:

Discomfort, Fatigue, dizziness, Disorientation, nausea, abdominal pain

After contact with skin: Reddening, Skin irritation, dry skin

After eye contact: Reddening, irritation



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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Toxic to aquatic life with long lasting effects.
Information about Reaction product with Bisphenol A-epichlorhydrin epoxy resin (molecular weight = 700):
Fish toxicity:
LC50 Oncorhynchus mykiss: 1.2 mg/L/96h
Daphnia toxicity:
EC50 Daphnia magna (Big water flea): 1.1 - 3.8 mg/L/48h (OECD 202).
NOEC Daphnia magna (Big water flea): 0.3 mg/L/21d (OECD 211)
Algae toxicity:
EC50 Scenedesmus capricornutum: 9.4 mg/L/72h

12.2. Persistence and degradability

Further details: No data available

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:
No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 08 04 09* = Waste adhesives and sealants containing organic solvents or other dangerous substances
MFSU = manufacture, formulation, supply and use
* = Evidence for disposal must be provided.

Recommendation: Incinerate as hazardous waste according to applicable local, state, and federal regulations.
Do not dispose of with household waste.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.
Handle contaminated packages in the same way as the substance itself.
Non-contaminated packages may be recycled.



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SECTION 14: Transport information

14.1 UN number

ADR/RID, IMDG, IATA-DGR:

UN 3104

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

UN 3104, ORGANIC PEROXIDE TYPE C, SOLID (Dibenzoyl peroxide)

14.3 Transport hazard class(es)

ADR/RID: Class 5.2, Code: P1

IMDG: Class 5.2, Subrisk-

IATA-DGR: Class 5.2



14.4 Packing group

ADR/RID, IATA-DGR: not applicable

IMDG: -

14.5 Environmental hazards

Marine pollutant: yes

14.6 Special precautions for user

Land transport (ADR/RID)

Warning board: ADR: UN number UN 3104
RID: Kemmler-number 539, UN number UN 3104

Hazard label: 5.2

Special provisions: 122 274

Limited quantities: 100 g

EQ: E0

Contaminated packaging - Instructions: P520

Special provisions for packing together: MP4

Tunnel restriction code: D

Sea transport (IMDG)

EmS: F-J, S-R

Special provisions: 122, 195, 274

Limited quantities: 100 g

Excepted quantities: E0

Contaminated packaging - Instructions: P520

Contaminated packaging - Provisions: -

IBC - Instructions: -

IBC - Provisions: -

Tank instructions - IMO: -

Tank instructions - UN: -

Tank instructions - Provisions: -

Stowage and handling: Category D. SW1

Segregation: SG35 SG36

Properties and observations: May decompose violently at elevated temperatures or in a fire. Burns vigorously. Insoluble in water. Contact with the eyes and skin should be avoided. May evolve irritant or toxic fumes.

Segregation group: none



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Air transport (IATA)

Hazard label: Organic peroxide, Keep Away from Heat
Excepted Quantity Code: E0
Passenger and Cargo Aircraft: Ltd.Qty.: Forbidden
Passenger and Cargo Aircraft: Pack.Instr. 570 - Max. Net Qty/Pkg. 5 kg
Cargo Aircraft only: Pack.Instr. 570 - Max. Net Qty/Pkg. 10 kg
Special provisions: A20 A150 A802
Emergency Response Guide-Code (ERG): 5L

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

No data available

SECTION 15: Regulatory information

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

National regulations - Great Britain

Hazchem-Code: 1WE
No data available

National regulations - EC member states

Volatile organic compounds (VOC):
< 1 % by weight = 12 g/L

Labelling of packaging with <= 125mL content



Hazard statements: H317 May cause an allergic skin reaction.
Precautionary statements:
P102 Keep out of reach of children.
P261 Avoid breathing vapours.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water/soap.
P308+P313 IF exposed or concerned: Get medical advice/attention.

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.



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SECTION 16: Other information

Further information

Wording of the H-phrases under paragraph 2 and 3:

H241 = Heating may cause a fire or explosion.

H242 = Heating may cause a fire.

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.

EUH205 = Contains epoxy constituents. May produce an allergic reaction.

Reason of change: Changes in section 2: classification, labelling
Changes in section 11: General revision
Changes in section 14: transport information

Date of first version: 9/2/2015

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.