

**MG ACTIVATOR**

|               |                   |         |     |
|---------------|-------------------|---------|-----|
| Creation date | 20th January 2022 | Version | 2.0 |
| Revision date |                   |         |     |

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

- 1.1. Product identifier**  
Substance / mixture: MG ACTIVATOR  
Number: mixture  
1 03.0041  
UFI: RMP0-XYMX-Y200-U3EP
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Mixture's intended use**  
Activator.  
**Mixture uses advised against**  
For professional use only.
- 1.3. Details of the supplier of the safety data sheet**  
**Supplier**  
Name or trade name: RETECH, s.r.o.  
Address: Vackova 1541/4, Praha 5 - Stodůlky, 155 00  
Czech Republic  
Identification number (CRN): 25018205  
VAT Reg No: CZ25018205  
Phone: +420327596428  
E-mail: info@retech.cz  
Web address: www.retech.com
- Competent person responsible for the safety data sheet**  
Name: RETECH, s.r.o.  
E-mail: info@retech.cz
- 1.4. Emergency telephone number**  
European emergency number: 112

**SECTION 2: Hazards identification**

- 2.1. Classification of the substance or mixture**  
**Classification of the mixture in accordance with Regulation (EC) No 1272/2008**

The mixture is classified as dangerous.

Flam. Liq. 2, H225  
Asp. Tox. 1, H304  
Skin Irrit. 2, H315  
STOT SE 3, H336  
Aquatic Acute 1, H400  
Aquatic Chronic 1, H410

Full text of all classifications and hazard statements is given in the section 16.

**Most serious adverse effects on human health and the environment**

May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

- 2.2. Label elements**  
**Hazard pictogram**



**Signal word**  
Danger

**Hazardous substances**  
heptane

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**Hazard statements**

H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.  
H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P331 Do NOT induce vomiting.

**2.3. Other hazards**

Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Danger of slipping on spilled product.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Chemical characterization**

Mixture of substances and additives specified below.

**Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment**

| Identification numbers         | Substance name | Content in % weight | Classification according to Regulation (EC) No 1272/2008  | Note |
|--------------------------------|----------------|---------------------|---|------|
| CAS: 142-82-5<br>EC: 205-563-8 | heptane        | 60-100              | Flam. Liq. 2, H225<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 | 1, 2 |

**Notes**

- Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
- Substance with a Union workplace exposure limit.

Full text of all classifications and hazard statements is given in the section 16.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

Move the affected person to fresh air immediately while paying attention to your own safety; do not let the person walk! If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. Take care of your own safety.

**If inhaled**

Terminate the exposure immediately; move the affected person to fresh air. If required, provide artificial respiration. Make sure that airways are free. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

**If on skin**

Remove contaminated clothes. Wash with plenty of soap and water. Provide medical treatment if skin irritation persists.

**If in eyes**

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

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**If swallowed**

Rinse out the mouth with water and provide 2-5 dL of water. Do not provide anything by mouth if the person is unconscious or if having cramps. Provide medical treatment.

**4.2. Most important symptoms and effects, both acute and delayed****If inhaled**

If swallowed or in case of vomiting, danger of entering the lungs. Subsequent observation for pneumonia and pulmonary oedema. May cause drowsiness or dizziness.

**If on skin**

Causes skin irritation. Prolonged skin contact may cause redness, burning and dry skin.

**If in eyes**

not available

**If swallowed**

not available

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

Symptomatic treatment.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

**Unsuitable extinguishing media**

Water - full jet.

**5.2. Special hazards arising from the substance or mixture**

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

**5.3. Advice for firefighters**

Use a self-contained breathing apparatus and full-body protective clothing. The heat from the fire increases the internal pressure in the containers and can cause them to burst or explode. Closed containers with the product near the fire should be cooled with water. Move containers from fire area if safe to do. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water. Dispose of contaminated extinguishing water and remains after the fire in accordance with the official regulations.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Provide sufficient ventilation. Use personal protective equipment for work. Keep unprotected persons away. Do not inhale vapours. Prevent contact with skin and eyes. Follow the instructions in the Sections 7 and 8.

**6.2. Environmental precautions**

Do not allow to enter drains. Prevent contamination of the soil and entering surface or ground water. In the event of substantial pollution, contact respective authorities.

**6.3. Methods and material for containment and cleaning up**

Stop leak if safe to do so. Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. Danger of slipping on spilled product.

**6.4. Reference to other sections**

See the Section 7, 8 and 13.

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**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Take off contaminated clothing. Use only outdoors or in a well-ventilated area. Do not inhale vapours. Prevent contact with skin and eyes. Observe valid legal regulations on safety and health protection. Use personal protective equipment as per Section 8. Do not eat, drink or smoke when using this product. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Keep away from sources of heating, ignition and direct sunlight. Keep containers upright. Keep only in original packaging. Protect against strong oxidizing agents. Do not store together with highly flammable solids. Do not store together with food, drink and animal feed.

| Content | Packaging type | Material of package |
|---------|----------------|---------------------|
| 15 ml   | bottle         | GL                  |

Storage class 3 - Flammable liquids

**7.3. Specific end use(s)**

not available

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

**8.1. Control parameters**

The mixture contains substances for which occupational exposure limits are set.

**European Union**

**Commission Directive 2000/39/EC**

| Substance name (component) | Type        | Value                  |
|----------------------------|-------------|------------------------|
| heptane (CAS: 142-82-5)    | OEL 8 hours | 2085 mg/m <sup>3</sup> |
|                            | OEL 8 hours | 500 ppm                |

**8.2. Exposure controls**

Do not get in eyes, on skin, or on clothing. Take off contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Do not inhale vapours. Do not inhale aerosols. Ensure workplace is equipped with a safety shower and eye wash station. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

**Eye/face protection**

Tightly sealed goggles. EN166 - Personal Eye Protection Standard.

**Skin protection**

Hand protection: Protective gloves resistant to the product. EN ISO 374-1. Material of gloves: Butyl rubber. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear.

**Respiratory protection**

Under regular circumstances it is not necessary.

**Thermal hazard**

Not available.

**Environmental exposure controls**

Observe usual measures for protection of the environment, see Section 6.2.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

|  |                    |
|--|--------------------|
| Physical state   | liquid             |
| Colour   | colourless         |
| Odour  | characteristic     |
| Melting point/freezing point                             | data not available |
| Boiling point or initial boiling point and boiling range | 98 °C              |
| Flammability   | data not available |
| Lower and upper explosion limit                          |                    |
| bottom   | 1,1 %              |
| upper  | 7,0 %              |

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|   |                                 |
|---|---------------------------------|
| Flash point                                       | -4 °C                           |
| Auto-ignition temperature                         | 220 °C                          |
| Decomposition temperature                         | data not available              |
| pH  | data not available              |
| Kinematic viscosity                               | data not available              |
| Viscosity   | ~1 mPa.s                        |
| Solubility in water                               | insoluble                       |
| Solubility in fats                                | data not available              |
| Partition coefficient n-octanol/water (log value) | data not available              |
| Vapour pressure                                   | ~53,5 mbar at 20 °C             |
| Density and/or relative density                   |                                 |
| Density   | 0,74 g/cm <sup>3</sup> at 20 °C |

Form

**9.2. Other information**

|                  |                |
|------------------|----------------|
| Evaporation rate | non-applicable |
|------------------|----------------|

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Reacts with strong oxidizing agents.

**10.2. Chemical stability**

The product is stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Unknown.

**10.4. Conditions to avoid**

Protect against flames, sparks, overheating. Protect against direct sunlight. Prevent formation of aerosols.

**10.5. Incompatible materials**

Protect against strong oxidizing agents.

**10.6. Hazardous decomposition products**

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

No toxicological data is available for the mixture.

**Acute toxicity**

Based on available data the classification criteria are not met.

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Based on available data the classification criteria are not met.

**Respiratory or skin sensitisation**

Based on available data the classification criteria are not met.

**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.

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**Toxicity for specific target organ - single exposure**

May cause drowsiness or dizziness.

**Toxicity for specific target organ - repeated exposure**

Based on available data the classification criteria are not met.

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**11.2. Information on other hazards**

not available

**SECTION 12: Ecological information****12.1. Toxicity****Acute toxicity**

Very toxic to aquatic life with long lasting effects.

**12.2. Persistence and degradability**

The mixture is biodegradable.

**12.3. Bioaccumulative potential**

Insignificant.

**12.4. Mobility in soil**

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

**12.5. Results of PBT and vPvB assessment**

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

**12.6. Endocrine disrupting properties**

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

**12.7. Other adverse effects**

Not available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste.

**Waste management legislation**

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

**Waste type code**

14 06 03 other solvents and solvent mixtures \*

**Packaging waste type code**

15 01 10 packaging containing residues of or contaminated by hazardous substances \*

(\*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

**SECTION 14: Transport information****14.1. UN number or ID number**

UN 1206

**14.2. UN proper shipping name**

HEPTANES

**14.3. Transport hazard class(es)**

3 Flammable liquids

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**14.4. Packing group**

II - substances presenting medium danger

**14.5. Environmental hazards**

not relevant

**14.6. Special precautions for user**

Reference in the Sections 4 to 8.

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

not relevant

**Additional information**

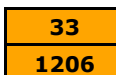
Hazard identification No.

**33**

UN number

**1206**

Safety signs



3+ hazardous for the environment

**Road transport - ADR**

Excepted quantities

E2

Transport category

3

Tunnel restriction code

(D/E)

**Railway transport - RID****Marine transport - IMDG**

EmS (emergency plan)

F-E, S-D

Marine Pollutant

Yes

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

**15.2. Chemical safety assessment**

not available

**SECTION 16: Other information****A list of standard risk phrases used in the safety data sheet**

|      |   |
|------|---|
| H225 | Highly flammable liquid and vapour.                   |
| H304 | May be fatal if swallowed and enters airways.         |
| H315 | Causes skin irritation.                               |
| H336 | May cause drowsiness or dizziness.                    |
| H400 | Very toxic to aquatic life.                           |
| H410 | Very toxic to aquatic life with long lasting effects. |

**Guidelines for safe handling used in the safety data sheet**

|           |   |
|-----------|---|
| P210      | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.<br>No smoking. |
| P273      | Avoid release to the environment.   |
| P280      | Wear protective gloves/protective clothing/eye protection/face protection.                        |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER/doctor.  |
| P331      | Do NOT induce vomiting.   |

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**Other important information about human health protection**

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

**Key to abbreviations and acronyms used in the safety data sheet**

|                 |   |
|-----------------|---|
| ADR             | European agreement concerning the international carriage of dangerous goods by road               |
| BCF             | Bioconcentration Factor   |
| CAS             | Chemical Abstracts Service  |
| CLP             | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| EINECS          | European Inventory of Existing Commercial Chemical Substances                                     |
| EmS             | Emergency plan  |
| ES              | Identification code for each substance listed in EINECS   |
| EU              | European Union  |
| EuPCS           | European Product Categorisation System  |
| IATA            | International Air Transport Association   |
| IBC             | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals       |
| ICAO            | International Civil Aviation Organization   |
| IMDG            | International Maritime Dangerous Goods  |
| INCI            | International Nomenclature of Cosmetic Ingredients  |
| ISO             | International Organization for Standardization  |
| IUPAC           | International Union of Pure and Applied Chemistry   |
| log Kow         | Octanol-water partition coefficient   |
| MARPOL          | International Convention for the Prevention of Pollution from Ships                               |
| OEL             | Occupational Exposure Limits  |
| PBT             | Persistent, Bioaccumulative and Toxic   |
| ppm             | Parts per million   |
| REACH           | Registration, Evaluation, Authorisation and Restriction of Chemicals                              |
| RID             | Agreement on the transport of dangerous goods by rail   |
| UN              | Four-figure identification number of the substance or article taken from the UN Model Regulations |
| UVCB            | Substances of unknown or variable composition, complex reaction products or biological materials  |
| VOC             | Volatile organic compounds  |
| vPvB            | Very Persistent and very Bioaccumulative  |
| Aquatic Acute   | Hazardous to the aquatic environment  |
| Aquatic Chronic | Hazardous to the aquatic environment (chronic)  |
| Asp. Tox.       | Aspiration hazard   |
| Flam. Liq.      | Flammable liquid  |
| Skin Irrit.     | Skin irritation   |
| STOT SE         | Specific target organ toxicity - single exposure  |

**Training guidelines**

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

**Recommended restrictions of use**

not available

**Information about data sources used to compile the Safety Data Sheet**

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended.  
REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

**The changes (which information has been added, deleted or modified)**

The version 2.0 replaces the SDS version from 23 September 2020. Changes were made in sections 1, 2, 13, 15 and 16.



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**Statement**

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.