

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/15/2015

Reviewed on 04/15/2015

1 Identification

- **Product identifier**
- **Trade name: 7290**
- **Application of the substance / the mixture** Adhesive
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Plastic Process Equipment, Inc.
8303 Corporate Park Dr.
Macedonia, OH 44056
USA
sales@ppe.com
216-367-7000
- **Emergency telephone number:**
International-1-(352)-323-3500
US & Canada-1-(800)-535-5053

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS07

Acute Tox. 4 H302 Harmful if swallowed.
 Acute Tox. 4 H332 Harmful if inhaled.
 Skin Irrit. 2 H315 Causes skin irritation.
 Eye Irrit. 2A H319 Causes serious eye irritation.
 Skin Sens. 1 H317 May cause an allergic skin reaction.
 STOT SE 3 H335 May cause respiratory irritation.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Irritant

Irritating to eyes and skin.

- **Information concerning particular hazards for human and environment:**
The product has to be labeled due to the calculation procedure of international guidelines.
- **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

- **Label elements**

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:**
methacrylic acid, monoester with propane-1,2-diol
Polyethylene Glycol 200 Dimethacrylate
 α,α -dimethylbenzyl hydroperoxide
- **Hazard statements**
Harmful if swallowed or if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause respiratory irritation.

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· Precautionary statements

- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.
- Read label before use.
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Wear protective gloves.
- Wear eye protection / face protection.
- Wash thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing must not be allowed out of the workplace.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Specific treatment (see on this label).
- If swallowed: Call a poison center/doctor if you feel unwell.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Wash contaminated clothing before reuse.
- If skin irritation or rash occurs: Get medical advice/attention.
- If eye irritation persists: Get medical advice/attention.
- Rinse mouth.
- If on skin: Wash with plenty of water.
- Take off contaminated clothing and wash it before reuse.
- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

· Other hazards

· Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

- **Description:** Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:

| | | |
|------------|---|---------|
| | Polyethylene Glycol 200 Dimethacrylate | 50-100% |
| 27813-02-1 | methacrylic acid, monoester with propane-1,2-diol | ≤25% |
| 80-15-9 | α,α -dimethylbenzyl hydroperoxide | 0.1-<1% |

4 First-aid measures

· Description of first aid measures

· After inhalation:

- Supply fresh air; consult doctor in case of complaints.
- Seek medical treatment.

· After skin contact:

- Immediately wash with water and soap and rinse thoroughly.
- Seek medical treatment.

· After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing: Do not induce vomiting; immediately call for medical help.

· Information for doctor:

· Most important symptoms and effects, both acute and delayed Breathing difficulty

· Indication of any immediate medical attention and special treatment needed

- No further relevant information available.

5 Fire-fighting measures

· Extinguishing media

· Suitable extinguishing agents:

- CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· For safety reasons unsuitable extinguishing agents: Water with full jet

· Special hazards arising from the substance or mixture No further relevant information available.

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- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
 - Ensure adequate ventilation
 - Wear protective clothing.
- **Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Pick up mechanically.
 - Ensure adequate ventilation.
 - Dispose of the collected material according to regulations.
- **Reference to other sections**
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
 - Store in cool, dry place in tightly closed receptacles.
 - Keep away from heat and direct sunlight.
 - Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
 - Store in a cool location.
 - Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

| | |
|--|--|
| 80-15-9 α,α-dimethylbenzyl hydroperoxide | |
| WEEL | Long-term value: 6 mg/m ³ , 1 ppm |
| | Skin |

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - The usual precautionary measures for handling chemicals should be followed.
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing.
 - Wash hands before breaks and at the end of work.
 - Avoid contact with the eyes and skin.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:**



Protective gloves

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Impervious gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

Butyl rubber, BR

Nitrile rubber, NBR

Neoprene gloves

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Not suitable are gloves made of the following materials:** PVC gloves

- **Eye protection:**

Safety glasses



Tightly sealed goggles

- **Body protection:** Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

| | |
|--------------|--------|
| Form: | Liquid |
|--------------|--------|

| | |
|---------------|-------|
| Color: | Green |
|---------------|-------|

| | |
|--------------|----------------|
| Odor: | Characteristic |
|--------------|----------------|

| | |
|-------------------------|-----------------|
| Odour threshold: | Not determined. |
|-------------------------|-----------------|

| | |
|------------------|-----------------|
| pH-value: | Not determined. |
|------------------|-----------------|

- **Change in condition**

| | |
|-------------------------------------|---------------|
| Melting point/Melting range: | Undetermined. |
|-------------------------------------|---------------|

| | |
|-------------------------------------|---------------------|
| Boiling point/Boiling range: | > 150 °C (> 302 °F) |
|-------------------------------------|---------------------|

| | |
|---------------------|--------------------|
| Flash point: | > 94 °C (> 201 °F) |
|---------------------|--------------------|

| | |
|---------------------------------------|-----------------|
| Flammability (solid, gaseous): | Not applicable. |
|---------------------------------------|-----------------|

- **Ignition temperature:**

| | |
|-----------------------------------|-----------------|
| Decomposition temperature: | Not determined. |
|-----------------------------------|-----------------|

| | |
|-----------------------|------------------------------|
| Auto igniting: | Product is not selfigniting. |
|-----------------------|------------------------------|

| | |
|-----------------------------|---|
| Danger of explosion: | Product does not present an explosion hazard. |
|-----------------------------|---|

- **Explosion limits:**

| | |
|---------------|-----------------|
| Lower: | Not determined. |
|---------------|-----------------|

| | |
|---------------|-----------------|
| Upper: | Not determined. |
|---------------|-----------------|

| | |
|------------------------|-----------------|
| Vapor pressure: | Not determined. |
|------------------------|-----------------|

| | |
|-----------------|-----------------|
| Density: | Not determined. |
|-----------------|-----------------|

| | |
|-------------------------|-----------------|
| Relative density | Not determined. |
|-------------------------|-----------------|

| | |
|-----------------------|-----------------|
| Vapour density | Not determined. |
|-----------------------|-----------------|

| | |
|-------------------------|-----------------|
| Evaporation rate | Not determined. |
|-------------------------|-----------------|

- **Solubility in / Miscibility with**

| | |
|---------------|-----------------------------------|
| Water: | Not miscible or difficult to mix. |
|---------------|-----------------------------------|

| | |
|---|-----------------|
| Partition coefficient (n-octanol/water): | Not determined. |
|---|-----------------|

- **Viscosity:**

| | |
|-----------------|-----------------|
| Dynamic: | Not determined. |
|-----------------|-----------------|

| | |
|-------------------|-----------------|
| Kinematic: | Not determined. |
|-------------------|-----------------|

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- **Solvent content:**
 - **Organic solvents:** 0.0 %
 - **Solids content:** 100.0 %
- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
 - Nitrogen oxides
 - Sulfur oxides (SO_x)

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
 - **on the skin:** Irritant to skin and mucous membranes.
 - **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
- **Carcinogenic categories**

| | |
|--|---|
| · IARC (International Agency for Research on Cancer) | |
| 81-07-2 1,2-benzisothiazol-3(2H)-one 1,1-dioxide | 3 |
| · NTP (National Toxicology Program) | |
| None of the ingredients is listed. | |
| · OSHA-Ca (Occupational Safety & Health Administration) | |
| None of the ingredients is listed. | |

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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| |
|---|
| <ul style="list-style-type: none"> · NIOSH-Ca (National Institute for Occupational Safety and Health) |
|---|

None of the ingredients is listed.

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:**

methacrylic acid, monoester with propane-1,2-diol
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- **Hazard statements**

Harmful if swallowed or if inhaled.
 Causes skin irritation.
 Causes serious eye irritation.
 May cause an allergic skin reaction.
 May cause respiratory irritation.

- **Precautionary statements**

If medical advice is needed, have product container or label at hand.
 Keep out of reach of children.
 Read label before use.
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 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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 Rinse mouth.
 If on skin: Wash with plenty of water.
 Take off contaminated clothing and wash it before reuse.
 Store locked up.
 Store in a well-ventilated place. Keep container tightly closed.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of preparation / last revision** 04/15/2015 / -

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 ACGIH: American Conference of Governmental Industrial Hygienists
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 Acute Tox. 4: Acute toxicity, Hazard Category 4
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

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Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3