1. Identification of the substance/mixture and of the company/undertaking
   - **Product Identifier** – DMP-30
   - **Article Number** - 21370
   - **CAS Number** [90-72-2]
   - **EC Number** 202-013-9
   - **Index Number** 603-069-00-0

   - **Relevant identified uses of the substances or mixture and uses advised against.**
     No further relevant information available.
   - **Application of the substance/preparation:** Accelerator used in epoxy resins for microscopy.
   - **Details of the supplier of the safety data sheet**
     Ladd Research
     83 Holly Court
     Williston, VT 05495
     sales@laddresearch.com
     Tel: +1-(802) 658-4961
     Emergency Tel: +1-703-741-5500 (Chemtrec)

2. Hazards identification
   - **Classification of the substance or mixture**
     Classification according to Regulation (EC) No 1272/2008

     ![GHS05](corrosion)
     Skin Corr. 1B H314 Causes severe skin burns and eye damage

     ![GHS07](warning)
     Acute Tox. 4 H302 Harmful if swallowed.
     Eye Irrit. 2 H319 Causes serious eye irritation
     Skin Sens. 1B H317 May cause an allergic skin reaction
     Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects

**Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest valid version.
Label elements
Labelling according to Regulation (EC) No 1272/2008:
The product has been classified and labelled according to the CLP regulation.

Hazard pictograms
![Pictograms](image)

GHS05  GHS07

Signal word: Danger

Hazard statements
- H302 Harmful if swallowed
- H314 Causes severe skin burns and eye damage
- H317 May cause an allergic skin reaction
- H412 Harmful to aquatic life with long lasting effects

Precautionary statements
- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P303+P361+P353 IF ON SKIN (or hair): Immediately remove all contaminated clothing. Rinse skin with water/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.
- P310 Immediately call a POISON CENTER/doctor.
- P405 Store locked up.
- P501 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: Substances

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-72-2</td>
<td>2,4,6-tris(dimethylaminomethyl) phenol</td>
</tr>
</tbody>
</table>

Identification number(s):
- Index number: 603-069-00-0

4. First aid measures

Description of first aid measures

General information:
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation: No adverse effects are anticipated from inhalation.

After skin contact: Immediately wash with water and soap and rinse thoroughly.
After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing: Call for a doctor immediately. Drink plenty water and provide fresh air.

Most important symptoms and effects, both acute and delayed
No further relevant information available.

Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5. Firefighting measures

Extinguishing media
Suitable extinguishing agents: Water fog – dried resin only.

Special hazards arising from the substance or mixture. During heating or in case of fire, poisonous gases are produced.

Advice for firefighters
Protective equipment: Positive pressure self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear protective gloves and glasses.

Environmental precautions:
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.

Methods and material for containment and cleaning up:
Use neutralizing agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

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

Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.

Information about fire and explosion protection:
Extinguishing media: Water for – dried resin only.

Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: Keep container tightly sealed.
Special end use(s): No further relevant information available.
8. **Exposure controls/personal protection**

   **Additional information about design of technical facilities:** No further data; see item 7.

   **Control parameters**

   **Ingredients with limit values that require monitoring at the workplace:** Not required.

   **Additional information:** The lists valid during the making were used as basis.

   **Exposure controls:**

   **Personal protective equipment:**

   **General protective and hygienic measures:**

   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.

   **Respiratory protection:**

   In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

   **Protection of hands:**

   Protective gloves

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

   Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

   **Material of gloves**

   The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

   **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.

   **Eye protection**

   Tightly sealed goggles

9. **Physical and chemical properties**

   **Information on basic physical and chemical properties**

   **General information**

   **Appearance:**

   Form: Viscous liquid

   Color: Light yellow

   Odor: Characteristic

   Odor threshold: Not determined

   pH value: Not determined

   **Change in condition**

   Melting point/Melting range: Undetermined
10. Stability and reactivity
Reactivity: No further relevant information available.

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: No dangerous decomposition products known.

11. Toxicological information
Information on toxicological effects
Acute toxicity:
Harmful if swallowed

Primary irritant effect:
On the skin: Causes severe skin burns and eye damage.
On the eye: Causes serious eye irritation.

Sensitization:
May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):
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.

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
   - **Ecotoxic effects:**
     - **Remark:** Harmful to fish
   - **Additional ecological information:**
   - **General notes:**
     Must not reach sewage water or drainage ditch undiluted or unneutralized. Harmful to aquatic organisms.
   - **Results of PBT and vPvB assessment**
     - **PBT:** Not applicable
     - **vPvB:** Not applicable.
   - **Other adverse effects:** No further relevant information available.

13. **Disposal considerations**
   - **Waste treatment methods**
   - **Recommendation**
     Must not be disposed together with household garbage. Do not allow product to reach sewage system.
   - **Uncleaned packaging:**
     - **Recommendation:** Disposal must be made according to official regulations.

14. **Transport information**
   - **UN-Number**
   - **ADR, IMDG, IATA**
   - **ADR**
   - **IMDG**
   - **IATA**
     UN2735
     UN2735 Amines, liquid, corrosive, n.o.s. (2,4,6-tris[dimethyl-, aminomethyl]phenol)
     Amines, liquid, corrosive, n.o.s. (2,4,6-tris[dimethyl-, aminomethyl]phenol)
     UN2735 Amines, liquid, corrosive, n.o.s. (2,4,6-tris[dimethyl-, aminomethyl]phenol)
Transport hazard class(es)
ADR, IMDG
Class 8 Corrosive substances

IATA
Class 8 Corrosive substances

Packing group
ADR, IMDG, IATA II

Environmental hazards:
Marine pollutant: No
Special marking (ADR):
Special precautions for user: Warning: Corrosive substances
EMS Number: F-A, S-B
Segregation groups: Alkalis

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

Transport/Additional information:
ADR
Limited quantities (LQ) 1L
Excepted quantities (EQ) E2
Maximum net quantity per inner packaging: 30ml
Maximum net quantity per outer packaging: 500ml

UN “Model Regulation”: UN2735 Amines, liquid, corrosive, n.o.s. (2,4,6-tris(dimethyl-, aminomethyl)phenol), 8, II

15. Regulatory information
Safety, health and environmental regulations/legislation specific for the substance or mixture
Directive 2012/18/EU
Named dangerous substances – ANNEX I Substance is not listed
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Other Information
This information is based on our present knowledge and should assist the user with the safe handling of this material when properly applied. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
Contact
sales@laddresearch.com
Tel: +1-802-658-4961

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)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
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)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative