SECTION 2) HAZARDS IDENTIFICATION

Classification
- Acute aquatic toxicity - Category 3
- Acute toxicity Dermal - Category 5
- Eye Irritation - Category 2
- Flammables solids - Category 2
- Skin Irritation - Category 3

Pictograms

Signal Word
Warning

Hazardous Statements - Health
- May be harmful in contact with skin
- Causes serious eye irritation
- Causes mild skin irritation

Hazardous Statements - Physical
- Flammable solid

Hazardous Statements - Environmental
- Harmful to aquatic life

Precautionary Statements - General
- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.
- Read label before use.
Precautionary Statements - Prevention

Avoid release to the environment.
Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof equipment.

Precautionary Statements - Response

Call a POISON CENTER/doctor if you feel unwell.
IF IN EYES: 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.
In case of fire: Use appropriate fire suppression methods to extinguish.
If skin irritation occurs: Get medical advice/attention.

Precautionary Statements - Storage

No precautionary statement available.

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local/national/international regulation.

SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS</th>
<th>Chemical Name</th>
<th>% By Weight</th>
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</thead>
<tbody>
<tr>
<td>0009004-34-6</td>
<td>CELLULOSE (PAPER FIBER)</td>
<td>57% - 100%</td>
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<tr>
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<td>SODIUM LAURYL SULFATE</td>
<td>2% - 3%</td>
</tr>
<tr>
<td>0000077-86-1</td>
<td>2-AMINO-2-(HYDROXYMETHYL)-1,3-PROPANEDIOL</td>
<td>2% - 3%</td>
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</tbody>
</table>

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4) FIRST-AID MEASURES

Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor.

Eye Contact

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face.
If eye irritation persists: Get medical advice/attention.

Skin Contact

Take off all contaminated clothing immediately, shoes and leather goods (e.g. watchbands, belts).
Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes.
If skin irritation occurs: Get medical advice/attention.

Ingestion

Rinse mouth. If you feel unwell/If concerned: Get medical advice/attention. Do NOT induce vomiting unless directed to do so by doctor/Poison Centre. If vomiting occurs naturally, lie on your side in the recovery position.

Most Important Symptoms/Effects, Acute and Delayed

No data available

Indication of Immediate Medical Attention and Special Treatment Needed

No data available
SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Dry chemical, foam, carbon dioxide, water-spray or alcohol-resistant foam. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

Unsuitable Extinguishing Media
Do not use straight stream of water.

Specific Hazards in Case of Fire
No data available.

Fire-fighting Procedures
Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Cool containers with flooding quantities of water until well after fire is out. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special Protective Actions
Wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure
Isolate hazard area and keep unauthorized personnel away.

Recommended Equipment
If specialized clothing is required, refer to section 8 of this SDS.

Personal Precautions
Avoid breathing vapors, mist or gas.

Environmental Precautions
Stop spill/release if it can be done safely. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Methods and Materials for Containment and Cleanup
Keep in suitable, closed containers for disposal.
Soak up with inert absorbent material.

SECTION 7) HANDLING AND STORAGE

General
Hand washing required after working with potentially hazardous materials and before leaving the laboratory.
Decontamination of work surfaces daily, after finishing work and following spills
Use aseptic techniques.
Standard microbiological practices should be followed.
Do not get in eyes, on skin or on clothing.
Do not breathe vapors or mist.
Use good personal hygiene practices.
Avoid eating, drinking and smoking in work areas.
Remove contaminated clothing and protective equipment before leaving work areas.
Eyewash stations and showers should be available in areas where this material is used and stored.

**Ventilation Requirements**
Use only with adequate ventilation. Requires HEPA-filtered vacuum lines.

**Storage Room Requirements**
All containers must be properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatible materials. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous.

**SECTION 8) EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Eye Protection**
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Wear indirect-vent, impact and splash resistant goggles when working with liquids.

If additional protection is needed for entire face, use in combination with a face shield.

**Skin Protection**
Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity.

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Launder soiled clothes or properly dispose of contaminated material which cannot be decontaminated.

**Respiration Protection**
Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Appropriate Engineering Controls**
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA TWA (ppm)</th>
<th>OSHA TWA (mg/m³)</th>
<th>OSHA STEL (ppm)</th>
<th>OSHA STEL (mg/m³)</th>
<th>OSHA Tables (Z1, Z2, Z3)</th>
<th>OSHA Carcinogen</th>
<th>OSHA Skin designation</th>
<th>NIOSH TWA (ppm)</th>
<th>NIOSH TWA (mg/m³)</th>
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</table>

**SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**
SECTION 10) STABILITY AND REACTIVITY

Stability
Stable under recommended handling and storage conditions

Conditions to Avoid
Exposure to air or moisture over prolonged periods.

Hazardous Reactions/Polymerization
No data available

Incompatible Materials
Strong oxidizing agents

Hazardous Decomposition Products
Thermal decomposition can lead to release of irritating gases and vapors such as carbon oxides.

SECTION 11) TOXICOLOGICAL INFORMATION

Likely Route of Exposure
Inhalation, ingestion, skin absorption

Aspiration Hazard
No Data Available
Carcinogenicity
No Data Available

Germ Cell Mutagenicity
No Data Available

Reproductive Toxicity
No Data Available

Respiratory/Skin Sensitization
No Data Available

Serious Eye Damage/Irritation
Causes serious eye irritation

Skin Corrosion/Irritation
Causes mild skin irritation

Specific Target Organ Toxicity - Repeated Exposure
No Data Available

Specific Target Organ Toxicity - Single Exposure
No Data Available

Acute Toxicity
May be harmful in contact with skin

SECTION 12) ECOLOGICAL INFORMATION

Toxicity
Harmful to aquatic life

Persistence and Degradability
No data available

Bio-accumulative Potential
No data available

Mobility in Soil
No data available

Other Adverse Effects
No data available

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal
Storage of biohazardous waste should be in double red bags held in rigid, leakproof containers with biohazard labels on the top and side. Biohazardous waste must be under direct control of the responsible laboratory until it is placed in an EH&S approved storage area.
SECTION 14) TRANSPORT INFORMATION

IATA Information
- UN number: Not Regulated
- Hazard class: N/A
- Packing group: N/A
- Proper shipping name: N/A (N/A)
- Note / Special Provision: No Data Available

U.S. DOT Information
- UN number: Not Regulated
- Proper shipping name: N/A (N/A)
- Hazard class: N/A
- Packing group: N/A
- Hazardous substance (RQ): No Data Available
- Toxic-Inhalation Hazard: No Data Available
- Marine Pollutant: No Data Available
- Note / Special Provision: No Data Available

IMDG Information
- UN number: Not Regulated
- Proper shipping name: N/A (N/A)
- Hazard class: N/A
- Packing group: N/A
- Marine Pollutant: No Data Available
- Note / Special Provision: No Data Available

SECTION 15) REGULATORY INFORMATION

Regulatory Information
The following regulations have been evaluated for this product: DSL, EU_EC_Inventory, EU_EINECS, EU_ELINCS, EU_IOELV, EU_NLP, IARC Carcinogen, and TSCA.

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SECTION 16) OTHER INFORMATION

Glossary
- ACGIH - American Conference of Governmental Industrial Hygienists
- BSC - Biological Safety Cabinet
- CAS - Chemical Abstract Service
- Chemtrec - Chemical Transportation Emergency Center(US)
DISCLAIMER

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