

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT CODE A0002
PRODUCT NAME ALLYL AMYL GLYCOLATE
COMPANY NAME M & U International LLC.
31 Readington Road
Branchburg, NJ 08876
(908) 359 - 9000
Sales.us@mu-intel.us

FOR EMERGENCIES CALL CHEMTREC: 800-424-9300 (24-HOURS)

2. HAZARD IDENTIFICATION:

Classification of the substance or mixture:

This substance is classified and labeled according to the Globally Harmonized System (GHS).

Acute toxicity, oral	Category 4
Skin corrosion/irritation	Category 2
Aspiration hazard	Category 1
Hazardous to the aquatic environment, long-term hazard	Category 2

GHS label elements



Signal word- Danger

Hazard statement(s)

Combustible liquid.
Harmful if swallowed.
May be fatal if swallowed and enters airways.
Causes skin irritation.
Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

Keep away from heat, hot surfaces, sparks, open flame and other ignition sources.
No smoking.
Wash thoroughly after handling.
Do not eat, drink, or smoke when using this product.
Avoid release to the environment.
Wear protective gloves/ protective clothing/eye protection/ face protection.

IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth. DO NOT induce vomiting.

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish. Collect spillage.

3. COMPOSITION AND INFORMATION ON INGREDIENTS:

Chemical characterization: Substances

CAS No.: 67634-00-8

Description: ALLYL AMYL GLYCOLATE

Identification number(s)

EC No.: N/A

4. FIRST-AID GUIDE:

Description of first aid measures

After inhalation:

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.

After skin contact:

Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes.

After eye contact:

Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids.

After swallowing:

Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.

Information for doctor:

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. FIRE-FIGHTING GUIDE:

Extinguishing media

Suitable extinguishing agents:

Water spray, fog, CO2, dry chemical, or alcohol resistant foam. Do NOT use water jet.

Special hazards arising from the substance or mixture

Fire may produce irritating, corrosive and/or toxic gases

Advice for firefighters**Protective equipment:**

Wear self-contained breathing apparatus for firefighting if necessary.

Additional information

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE GUIDE:**Personal precautions, protective equipment and emergency procedures**

Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.

Environmental precautions:

Retain and dispose of contaminated wash water. Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Methods and material for containment and cleaning up:

Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area.) Prevent product from entering drains.

7. HANDLING AND STORAGE:**Handling:****Precautions for safe handling**

Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.

8. EXPOSURE AND PERSONAL PROTECTION:

Control parameters

Components with limit values that require monitoring at the workplace:

Contains no substances with occupational exposure limit values.

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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.

Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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 should be based 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.

Penetration time of glove material

The exact break through time has to be determined 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:	Liquid
Color:	Colorless to Pale Yellow Liquid
Odor:	Not determined
Odor threshold:	Not determined.
pH-value:	Not determined
Change in condition	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	395.6 °F (202 °C)
Flash point:	> 200.0 °F (> 93.3 °C) Closed Cup
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	Not determined
Decomposition temperature:	Not determined.
Auto igniting:	Not determined.
Danger of explosion:	Not determined
Explosion limits:	
Lower:	
Upper:	
Vapor pressure:	0.02 kPa (77 °F (25 °C))
Density at 20 °C (68 °F):	Not determined.
Relative density	Not determined
Vapor density	Not determined
Evaporation rate	Not determined.
Solubility in / Miscibility with Water:	Not determined.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	Not determined.
Dynamic:	Not determined.
Kinematic:	Not determined.
Organic solvents:	Not determined.
Other information	No further relevant information available.

10. STABILITY AND REACTIVITY:

Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available

Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials:

Strong oxidizing agents

Hazardous decomposition products:

Carbon oxides

11. TOXICOLOGICAL INFORMATION:**Information on toxicological effects****Acute toxicity:**

LD50 Oral - Rat - female - 10,760 mg/kg

No data available

Primary irritant effect:**On the skin:**

Causes skin irritation.

On the eye:

Direct contact with eyes may cause temporary irritation.

Sensitization:

Not applicable.

Additional toxicological information:**Carcinogenic categories****IARC (International Agency for Research on Cancer)**

Substance is not listed.

NTP (National Toxicology Program)

Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

Additional Information

Not applicable

12. ECOLOGICAL INFORMATION:

Toxicity

Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

Persistence and degradability

No data available.

Behavior in environmental systems:

Bioaccumulative potential

Not applicable.

Mobility in soil

Not applicable.

Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

Other adverse effects

No data available.

13. DISPOSAL RECOMMENDATIONS:

Waste treatment methods

Product

Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

Contaminated packaging

Dispose of as an unused product. In accordance with all applicable regulations.

14. TRANSPORTATION INFORMATION:

<p>ADN UN Number: Class: Packing group: Proper shipping name:</p>	<p>Bulk 3082 9 III ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALLYL AMYL GLYCOLATE) Non Bulk Not regulated as dangerous goods</p>
<p>ADR UN number: Class: Packing group: EMS No.: Proper shipping name: Marine pollutant:</p>	<p>3082 9 III ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALLYL AMYL GLYCOLATE)</p>
<p>IATA UN number: Class: Packing group: Proper shipping name:</p>	<p>Not dangerous goods</p>
<p>DOT NonBulk UN number: Class: Packing group: Proper shipping name:</p>	<p>Not regulated as dangerous goods</p>
<p>IMDG UN number: UN proper shipping name: Transport hazard class(es): Packing group: Marine pollutant: Labels required:</p>	<p>3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALLYL AMYL GLYCOLATE) 9 III No 9</p>

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15. REGULATORY INFORMATION:

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

Sara

Section 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section 311/312 (hazardous chemical):

Flammable (gases, aerosols, liquids, or solids)

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Aspiration hazard

Section 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

TSCA (Toxic Substances Control Act):

Substance is not listed.

Proposition 65

Chemicals known to cause cancer:

Substance is not listed.

Chemicals known to cause reproductive toxicity for females:

Substance is not listed.

Chemicals known to cause reproductive toxicity for males:

Substance is not listed.

Chemicals known to cause developmental toxicity:

Substance is not listed.

Carcinogenic categories

EPA (Environmental Protection Agency)

Substance is not listed.

TLV (Threshold Limit Value established by ACGIH)

Substance is not listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

Substance is not listed.

Pennsylvania Right to Know Components

Allyl Amyl Glycolate Cas No.: 67634-00-8

New Jersey Right to Know Components

Allyl Amyl Glycolate Cas No.: 67634-00-8

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION:

The information in this SDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond M&U's control, it is the responsibility of the user both to determine safe conditions for use of this product and to assume liability for loss, damage, or expense arising out of the products improper use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission in the SDS. Various federal, state, or provincial agencies may have specific regulations concerning the transportation, handling, storage, use, or disposal of this product which may not be reflected in the SDS. The user should review these regulations to ensure full compliance.

Prepared By: M&U International LLC

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