

Safety Data Sheet acc. to OSHA HCS

Print Date 05/19/2015

Revision Date 05/19/2015

Product Identifier

Trade Name: **UR1049 Cream A**

Application of the Substance or Mixture: *Polyurethane Resin*

Details of the Supplier of the Safety Data Sheet (SDS)

Manufacturer or Supplier:

Resinlab, LLC
N109 W13300 Ellsworth Drive,
Germantown, WI 53022
1-800-388-8605
www.resinlab.com

Information Department: *Product Safety Department: msds@resinlab.com*

Emergency Telephone Number:

North America - Chemtrec: 1-800-424-9300 (24 hours)
International - Chemtrec: 01-703-527-3887 (24 hours)

2 Hazard(s) identification

Hazard Classification



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

Label Elements

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

Pictogram(s)



GHS07

Signal Word *Warning*

Hazard-determining Component(s)

Tertiary amine catalysts in a polyurethane resin

Hazard statements

Causes serious eye irritation.

May cause respiratory irritation.

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray

Wear eye protection / face protection.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a poison center/doctor if you feel unwell.

If eye irritation persists: Get medical advice/attention.

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.

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Hazard Rating System

NFPA System

NFPA Ratings (scale 0 - 4)



NFPA special hazards (water reactivity and oxidizing property): None

HMIS System

HMIS Ratings (scale 0 - 4)



Other hazards

Results of PBT and vPvB assessment

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

3 Composition/information on ingredients

Chemical Characterization: Mixtures

Composition/Information on Ingredients

Tertiary amine catalysts in a polyurethane resin

≤1%

⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335

Classification System:

The Classifications were based on the Toxicological and Ecological Data of the substances/mixtures in the Section 11 and 12.

4 First-aid measures

Description of First Aid Measures

General Information

Ensure medical personnel are aware of exposure and take precautions for their personal protection; see Section 8 for the information of personal protection.

After Inhalation

Remove victim from exposure to fresh air. Keep person at rest. Provide oxygen if person is not breathing. Seek immediate medical advice.

After Skin Contact

Gently wash contaminated skin with water. Remove all contaminated clothing and wash before reuse. Seek medical treatment in case of complaints.

After Eye Contact

Immediately bathe eyes for 15 minutes under running water. Immediately remove contact lenses if present. Continue rinsing. Seek immediate medical advice.

After Swallowing

If victim is unconscious; never give anything by mouth. If victim is conscious; rinse out mouth and give victim small amounts of water. Seek medical treatment in case of complaints.

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- **After Exposure** Seek medical treatment in case of complaints.
- **Information for Doctor** Have chemical containers, labels and/or (M)SDS ready when calling or visiting a medical center.
- **Indication of any Immediate Medical Attention and Special Treatment Needed**
 - eye tests
 - respiratory system tests
 - Check section 11 Toxicological Information for further relevant information.
- **Additional Information**

For additional information, please consult the corresponding first aid measures in the most current version of Emergency Response Guidebook which is produced by the US Department of Transportation.

5 Fire-fighting measures

- **Extinguishing Media**
 - **Suitable Extinguishing Agent(s)**

Use fire fighting measures and extinguishing agents that suit the environment.
In case of fire, suitable extinguishing agents are:
Alcohol resistant foam.
Dry chemical or fire-extinguishing powder.
Carbon dioxide (CO₂).
Water spray or water fog.
 - **Unsuitable Extinguishing Agent(s)** No relevant information.
- **Firefighting Procedures**

Isolate fire and deny unnecessary entry.
Eliminate all ignition sources if safe to do so.
Do not extinguish fire unless flow can be stopped.
Fight fire remotely due to the risk of explosion.
Burning liquids may be moved by flushing with water; protect personnel and minimize property damage.
Fight fire from protected location or safe distance.
Contain fire water runoff if possible to prevent environmental pollution.
- **Special Hazards Arising in Fire**

Will not burn unless preheated.
In case of fire, following can be released:
aliphatic fragments, halogens, halogen acids and possibly carbonyl halides.
Carbon dioxide (CO₂) and Carbon monoxide (CO)
- **Advice for Firefighters**

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA fire brigades standard (29 CFR 1910.156).
As with any fire, wear positive-pressure self-contained breathing apparatus and full protective gear that are NIOSH approved.
- **Additional Information** Ensure adequate and functional fire fighting facilities equipped in working area at all times.

6 Accidental release measures

- **Personal Precautions**

Do not breathe gas, vapors, dusts or mists if their inhalable particles occur during use.
Ensure personnel take precautions for their personal protection during clean up; see Section 8 for the specific requirements.
- **Environmental Precautions** No further relevant information.
- **Cleaning Up Methods**

Ensure adequate ventilation.
Eliminate all ignition sources.
Keep unauthorized personnel away.
For large spills:
Shut off source of leak if safe to do so.
Dike and contain.
Remove with vacuum trucks or pump to storage/salvage vessels.

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Absorb residues with liquid-binding materials.

For small spills:

Ventilate and wash area after clean-up is complete.

Collect spills in suitable and properly labeled containers.

Do not use solvents unless following safe handling practices and within the recommended exposure guidelines.

Dispose contaminated chemicals as waste according to Section 13.

· **Additional Information** No further relevant information.

7 Handling and storage

· Handling

· Precautions for Safe Handling

Obtain special instruction before use; do not handle until all safety precautions have been read and understood.

Do not breathe gas, vapors, dusts or mists if their inhalable particles occur during handling.

Ensure good ventilation and/or exhaustion at workplace.

Keep away from incompatible material(s).

Avoid any release into the environment.

Keep container tightly closed when not in use if product is volatile so as to generate hazardous atmosphere.

Observe all the personal protection requirements in Section 8.

· Information about Protection Against Explosions and Fires

Will not burn unless preheated.

Keep away from heat, sparks, open flame and other ignition sources during handling.

· Storage

· Requirements to be Met by Storerooms and Receptacles

Store in a well-ventilated place; provide ventilation for receptacles.

Keep stored in accordance with local, regional, national, and international regulations.

· Information about Storage in One Common Storage Facility

Store away from incompatible material(s).

Store away from foodstuffs.

Avoid release to the environment.

· **Additional Information** No further relevant information.

8 Exposure controls/personal protection

· Engineering Measures or Controls

· Exposure Limit Values that Require Monitoring at the Workplace

The substance/mixture does not contain any relevant quantities of substances with critical values that have to be monitored at the workplace.

· Other Engineering Measures or Controls

Ventilation rates should be matched to conditions.

If applicable, use process enclosure(s), local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

· Personal Protective

· General Protective and Hygienic Measures

Avoid any contact with eye.

Do not eat, drink or smoke during work.

Keep food, drink or feed away from working area.

Contaminated work clothing is not allowed out of workplace.

Clean hands and exposed skin thoroughly after work and before breaks.

· Personal Protective Equipment (PPE)

· Breathing Equipment

Caution! Improper use of respirators is dangerous.

In case of brief exposure or low pollution, use a respiratory filter device.

In case of intensive or longer exposure, use a positive-pressure respiratory protective device that is independent of circulating air.

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· **Hand Protection**



Protective gloves

Selection of glove material should take into consideration the penetration times, rates of diffusion, and the degradation.

Suggested glove type(s):

Nitrile Gloves

Butyl Rubber Gloves

· **Eye Protection**



Tightly sealed goggles

· **Body Protection** No relevant information.

· **Additional Information**

All protective clothing (suits, gloves, footwear, headgear) should be clean, available every day, and put on before work.

The Engineering measures or controls, and PPE recommendations are only guidelines and may not apply to every situation. For additional information, please consult the corresponding requirements under OSHA 29 CFR 1910.94-95, and 29 CFR 1910.132-138.

9 Physical and chemical properties

· **Information on Basic Physical and Chemical Properties**

· **Appearance:**

· **Form:**

Liquid

· **Color:**

Amber

· **Odor:**

Ammonia-like

· **Odor Threshold:**

Not determined.

· **PH-Value:**

Not determined.

· **Change in Condition:**

· **Melting Point:**

<32 ° F

· **Boiling Point:**

>200 ° F

· **Flash Point:**

>200 ° F

· **Decomposition Temperature:**

Not determined.

· **Flammability:**

Not determined.

· **Explosion:**

Not determined.

· **Explosion Limits:**

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Vapor Pressure:**

Not determined.

· **Vapor Density:**

not determined

· **Density at 20 °C (68 °F):**

1.07 g/cm³ (8.929 lbs/gal)

· **Solubility in or Miscibility with**

· **Water:**

Not miscible or difficult to mix.

· **Segregation coefficient LogPow (n-octanol/water):**

Not determined.

· **Viscosity:**

· **Dynamic:**

Not determined.

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 · **Kinematic:** Not determined.

 · **Additional Information** No further relevant information.

10 Stability and reactivity

- **Physical Hazard(s)** Not a regulated reactive or physical hazard under GHS.
- **Hazardous Reactivity and Chemical Stability** Stable under normal conditions of use, storage and temperatures.
- **Thermal Decomposition and Conditions to be Avoided**
Keep away from incompatible material(s).
Thermally decomposes during fire or high heat; keep away from heat, sparks, open flame and other ignition sources.
- **Possibility of Other Hazardous Reaction(s)**
May exothermically react with isocyanates.
No further relevant information available.
- **Incompatible Material(s)**
Isocyanates
hydroxyl or active hydrogen compounds
Strong acids
Strong bases
- **Hazardous Decomposition Product(s)**
Thermally decomposes during fire or very high heat. See Section 5 for fire hazards evolved during thermal decomposition.
- **Hazardous Polymerization Product(s)** No relevant information.
- **Additional Information** No further relevant information.

11 Toxicological information

· Acute Toxicity

· Oral

Tertiary amine catalysts in a polyurethane resin

Oral | LD50 | (No data available)

 · **Potential Health Effect(s):** See acute inhalative effect(s) for further information

· Dermal

Tertiary amine catalysts in a polyurethane resin

Dermal | LD50 | (No data available)

 · **Potential Health Effect(s):**
No further relevant information available; classification is not possible.
See acute inhalative effect(s) for further information.

· Inhalative

Tertiary amine catalysts in a polyurethane resin

Inhalative | LC50/4 h | (No data available)

 · **Potential Health Effect(s):**
While not possible to classify the acute inhalative hazard due to missing data, the product may cause the following symptom(s):

· Skin Corrosion or Irritation

Tertiary amine catalysts in a polyurethane resin

Corrosion/Irritation | (No data available)

 · **Potential Health Effect(s):** No further relevant information; classification is not possible.

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· Eye Serious Damage or Irritation

Tertiary amine catalysts in a polyurethane resin

Damage/Irritation (No data available)

· Potential Health Effect(s):

Causes serious eye irritation.
In contact with eye, may cause:
redness and pain

· Respiratory or Skin Sensitization

Tertiary amine catalysts in a polyurethane resin

Sensitization Skin (No data available)

Respiratory (No data available)

· Potential Health Effect(s): No relevant information for respiratory sensitization; classification is not possible.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

· Germ Cell Mutagenicity

Tertiary amine catalysts in a polyurethane resin

Mutagenicity (No data available)

· Potential Health Effect(s): No further relevant information; classification is not possible.

· Carcinogenicity

Tertiary amine catalysts in a polyurethane resin

Carcinogenicity (No data available)

· Potential Health Effect(s): Not a known Carcinogen.

· Reproductive Toxicity

Tertiary amine catalysts in a polyurethane resin

Reproductive Toxi. (No data available)

· Potential Health Effect(s): No further relevant information; classification is not possible.

· Specific Target Organ Toxicity - Single Exposure

Tertiary amine catalysts in a polyurethane resin

STOT-Single (No data available)

· Potential Health Effect(s): May cause respiratory irritation.

· Specific Target Organ Toxicity - Repeated Exposure

Tertiary amine catalysts in a polyurethane resin

STOT-Repeated (No data available)

· Potential Health Effect(s): No further relevant information; classification is not possible.

· Aspiration Hazard

Tertiary amine catalysts in a polyurethane resin

Aspiration Hazard (No data available)

· Potential Health Effect(s): No relevant information; classification is not possible.

· Additional Information No further relevant information.

12 Ecological information

· Aquatic Environmental Toxicity

Tertiary amine catalysts in a polyurethane resin

Algae Toxicity (No data available)

Crustacean Toxicity (No data available)

Fish Toxicity (No data available)

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· **Aquatic Environmental Toxicity Assessment:** No further relevant information; classification is not possible.

· **Degradability and Stability**

Tertiary amine catalysts in a polyurethane resin

Biodegradation	(No data available)
Persistence	(No data available)
Photodegradation	(No data available)
Stability in water	(No data available)

· **Bioaccumulation and Distribution**

Tertiary amine catalysts in a polyurethane resin

BCF	(No data available)
Koc	(No data available)
LogPow	(No data available)

· **Degradability and Bioaccumulation Assessment:** Non-rapidly degradable, and low bioaccumulative.

· **Additional Information** No further relevant information.

13 Disposal considerations

· **Hazardous Waste List**

· **Description:** Not regulated as a hazardous waste for disposal.

· **Waste Treatment Recommendation:**

Generation of waste should be avoided or minimized wherever possible.

Chemical waste, even small quantities, is neither allowed to be poured down drains, sewage system or waterways; nor disposed with household garbage.

Dispose of contents/containers in accordance with local, regional, national, and international regulations.

· **Unused and Uncontaminated Packagings**

· **Recommendation** Dispose of according to your local waste regulations.

14 Transport information

· **UN-Number** Not regulated for transport; not applicable.

· **Transport hazard class(es)** Not regulated for transport; not applicable.

· **Packing group** Not regulated for transport; not applicable.

· **Environmental Hazards:** Not applicable.

· **Special Precautions:** Not applicable.

· **Transport in Bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

· **UN "Model Regulation":** -

15 Regulatory information

· **USA Regulation Lists**

· **SARA (Superfund Amendments and Reauthorization Act of 1986)**

· **Section 302 (Extremely Hazardous Substances)**

None of the ingredients is listed.

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· **Section 313 (Toxics Release Inventory (TRI) reporting)**

None of the ingredients is listed.

· **Section 311/312 (Hazardous Chemical Inventory Reporting)**

None of the ingredients is listed.

· **Hazard Abbreviations for SARA 311/312**

- A - Acute Health Hazard
- C - Chronic Health Hazard
- F - Fire Hazard
- R - Reactive Hazard
- S - Sudden Release of Pressure Hazard

· **TSCA (Toxic Substances Control Act)**

All ingredients are listed.

· **Proposition 65**

· **Chemicals Known to Cause Cancer**

None of the ingredients is listed.

· **Chemicals Known to Cause Reproductive Toxicity for Females**

None of the ingredients is listed.

· **Chemicals Known to Cause Reproductive Toxicity for Males**

None of the ingredients is listed.

· **Chemicals Known to Cause Developmental Toxicity**

None of the ingredients is listed.

· **Carcinogenic Categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value Established by ACGIH)**

None of the ingredients is listed.

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

None of the ingredients is listed.

· **International Regulation Lists**

· **Canadian Domestic Substance Listings:**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients is listed.

· **Chinese Chemical Inventory of Existing Chemical Substances:**

None of the ingredients is listed.

· **Japanese Existing and New Chemical Substance List:**

None of the ingredients is listed.

· **Korean Existing Chemical Inventory:**

None of the ingredients is listed.

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· European Pre-registered substances:

None of the ingredients is listed.

· REACh - Substances of Very High Concern (SVHC) List:

None of the ingredients is listed.

· Restriction of Hazardous Substances Directive (RoHS) list:

None of the ingredients is listed.

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.

· **Department Issuing (M)SDS:** Product Safety Department

· **Contact:** msds@resinlab.com

· Abbreviations and acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists

ACToR: US EPA Aggregated Computational Toxicology Resource

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road

BCF: Bioconcentration Factor

CAS: Chemical Abstracts Service (division of the American Chemical Society)

CCRIS: US NLM TOXNET Chemical Carcinogenesis Research Information System

CHRIP: Japan NITE Information on Biodegradation and Bioconcentration of the Existing Chemical Substances in the Chemical Risk Information Platform

DOT: US Department of Transportation

DSL: Canada Domestic Substance List

ESIS: European Chemical Substances Information System

HMIS: US National Paint & Coatings Association (NPCA) Hazardous Materials Identification System

HSDB: US NLM TOXNET Hazardous Substances Databank

HSNO CCID: New Zealand Hazardous Substances and New Organisms Chemical Classification Information Database

IARC: International Agency for Research on Cancer developed by United Nations World Health Organisation (WHO)

IATA-DGR: Dangerous Goods Regulations (DGR) by the International Air Transport Association (IATA)

ICAO-TI: Technical Instructions (TI) by the International Civil Aviation Organization (ICAO)

ICSC: International Chemical Safety Cards

IMDG: International Maritime Dangerous Goods; the principal international rules for International Carriage of Dangerous Goods by SEA under the Recommendations on the Transport of Dangerous Goods by United Nations (RTDG)

Koc: Partition coefficient, soil Organic Carbon to water

LC50/LD50: Lethal Concentration/Dose, 50 percent

N/a: Not available or Not applicable

NFPA: US National Fire Protection Association

NIOSH: US National Institute of Occupational Safety and Health

NITE: National Institute of Technology and Evaluation, Japan

OECD: Organisation for Economic Co-operation and Development

OSHA: US Occupational Safety and Health Administration

P: Marine Pollutant

RCRA: Resource Conservation and Recovery Act (USA)

REACh: EU Registry, Evaluation and Authorisation of Chemicals

RID: the Regulations Concerning the International Carriage of Dangerous Goods by Rail; published by the Central Office for International Carriage by Rail (OTIF)

RTDG: the Recommendations on the Transport of Dangerous Goods by United Nations (UN)

RTECS: US Registry of Toxic Effects of Chemical Substances

SARA: US Superfund Amendments and Reauthorization Act

SIDS: OECD existing chemicals Screening Information Data Sets

SVHC: EU ECHA Substance of Very High Concern

TEEL: Temporary Emergency Exposure Limit developed by US Subcommittee on Consequence Assessment and Protective Actions (SCAPA) of US Department of Energy (DOE)

TOXLINE: US NLM bibliographic database search system

TSCA: US Toxic Substance Control Act

· **Date of preparation / last revision** 05/19/2015 / 2