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SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier POLYCIN* D-290

Synonyms: Not applicable Chemical Abstracts Registry No: 26402-31-3

1.2. Relevant identified uses of the substance or mixture and uses advised against

Paint coatings, Adhesives

1.3. Details of the supplier of the safety data sheet

Vertellus LLC 201 North Illinois Street, Suite 1800 Indianapolis, Indiana 46204 USA 1-336-292-1781

e-mail Address: sds@vertellus.com

1.4. Emergency telephone number Vertellus: 1-336-292-1781

<u>CHEMTREC (USA):</u> +1-800-424-9300 (collect calls accepted) <u>CHEMTREC (International):</u> +1-703-527-3887 (collect calls accepted)

NRCC (China): +86 532 83889090

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture (According to Regulation (EC) No 1272/2008, 29 CFR 1910.1200 and the Globally Harmonized System)

Not Classified as Hazardous

2.2. Label elements

Signal Word: Not required.

Hazard Precautions: Not Classified as Hazardous

Prevention Precautionary Statements: Note: These precautionary statements are not prescribed by Regulation EC 1272/2008 as this

product is not classified as hazardous under this regulation. Wash hands thoroughly after handling with soap and water. Wear protective gloves, protective clothing, eye protection and face protection. If swallowed, in eyes, on skin or inhaled call a poison center or doctor/physician if you feel unwell. If inhaled, remove victim to fresh air and keep at rest in a comfortable position for breathing. Take off contaminated clothing before reuse. Store in a well-ventilated place. Keep container tightly closed.

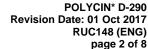
First Aid Precautionary Statements: Not required.

Storage Precautionary Statements: Not required.

2.3. Other hazards

Other Hazards: Not applicable.

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SECTION 3: Composition/information on ingredients

3.1. Substances or 3.2. Mixtures

Ingredient	CAS Number	Concentration (weight %)	EC Number	CLP Inventory/ Annex VI	EU CLP Classification (1272/2008)
POLYCIN® D-290	Trade Secret	~ 100	Trade Secret	Not listed.	Not applicable.

NOTE: See Section 8 for exposure limit data for these ingredients. See Section 15 for trade secret information (where applicable).

SECTION 4: First aid measures

4.1. Description of first aid measures

Skin Contact: Wash thoroughly after skin contact. Get medical attention if irritation develops or persists.

Eye Contact: Immediately flush the eyes with plenty of water for at least 15 minutes. Call a physician. Get medical

attention.

Inhalation: Remove from exposure. If not breathing, give artificial respiration and call a physician.

Ingestion: If swallowed, do not induce vomiting. Get prompt medical attention. Do not give anything by mouth to

an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Acute: Not expected to be irritating to skin or eyes. Not toxic by oral, dermal or inhalation routes. Not a

sensitizer.

Delayed Effects: None known.

4.3. Indication of any immediate medical attention and special treatment needed

Note to Physician: No specific indications. Treatment should be based on the judgment of the physician in response to the

reactions of the patient.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Appropriate Extinguishing

Carbon dioxide, Dry chemical, Alcohol foam

Media:

5.2. Special hazards arising from the substance or mixture

Hazardous Products of

As with other organic materials, combustion will produce carbon monoxide and carbon dioxide.

Combustion:

Potential for Dust Explosion: Not applicable.

Special Flammability Hazards: Material may burn, but does not ignite readily. Avoid high temperature.

5.3. Advice for firefighters

Basic Fire Fighting Guidance: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or

equivalent) and full protective gear.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuation Procedures: Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Special Instructions: See Section 8 for personal protective equipment recommendations. Remove all contaminated clothing

to prevent further absorption. Decontaminate affected personnel using the first aid procedures in

Section 4. Leather shoes that have been saturated must be discarded.

6.2. Environmental precautions

Prevent releases to soils, drains, sewers and waterways.

6.3. Methods and material for containment and cleaning up

Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Remove all ignition sources. Ventilate the area of spill or leak. Wear protective equipment during clean-up. For small spills, use suitable absorbent material and collect for later disposal. For large spills, the area may require diking to contain the spill. Material can then be collected (eg., suction) for later disposal, After collection of material, flush area with water. Dispose of the material in accordance with standard practice for disposal of potentially hazardous materials as required by applicable federal, state or local laws.

6.4. Reference to other sections

Refer to section 8 for information on selecting personal protective equipment. Refer to section 13 for information on spilled product, absorbent and clean up material disposal instructions.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for Unique Hazards: Not applicable.

Practices to Minimize Risk: Wear appropriate protective equipment when performing maintenance on contaminated equipment.

> Wash hands thoroughly before eating or smoking after handling this material. Do not eat, drink or smoke in work areas. Prevent contact with incompatible materials. Avoid spills and keep away from drains.

Handle in a manner to prevent generation of aerosols, vapors or dust clouds.

Special Handling Equipment: Not applicable.

7.2. Conditions for safe storage, including any incompatibilities

Storage Precautions & This product should be stored at ambient temperature in a dry, well-ventilated location. Keep container

Recommendations: closed when not in use.

Dangerous Incompatibility

Reactions:

Can react vigorously with oxidizing materials.

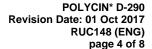
Incompatibilities with Materials

None known

of Construction:

7.3. Specific end use(s)

If a chemical safety assessment has been completed an exposure scenario is attached as an annex to this Safety Data Sheet. Refer to this annex for the specific exposure scenario control parameters for uses identified in subsection 1.2.





SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Country **Occupational Exposure Limit**

Not established Not established

Air Monitoring Method: Not required

Derived No Effect Levels (DNELs) - Workers:

DNEL Route

Derived No Effect Levels (DNELs) - General Population:

DNEL Route

Predicted No Effect Concentrations (PNECs):

Route **PNEC**

8.2. Exposure controls

Also see the annex to this SDS (if applicable) for specific exposure scenario controls.

Other Engineering Controls: All operations should be conducted in well-ventilated conditions. Local exhaust ventilation should be

provided. Local exhaust ventilation is generally preferred. If user operations generate dust, fume, or

mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Wear impervious gloves (i.e., latex rubber), boots, work uniform and safety glasses **Personal Protective Equipment:**

Respirator Caution: Observe OSHA regulations for respirator use (29 CFR 1910.134) or equivalent guidance. Air-purifying

respirators must not be used in oxygen-deficient atmospheres.

Thermal Hazards: Not applicable.

Environmental Exposure

Controls:

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. If user operations

generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or

statutory limits.

No data available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance, State & Odor (ambient temperature):

Clear, moderately viscous liquid.

Molecular Formula: No data available. Molecular Weight: No data available.

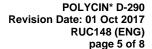
Vapor Pressure: No data available. **Evaporation Rate:** < 1 (Butyl Acetate = 1)

Specific Gravity or Density: Vapor Density (air = 1): Heavier than air.

- 15 °F **Boiling Point:** No data available. Freezing / Melting Point:

Solubility in Water: Insoluble Octanol / Water Coefficient: No data available.

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Odor Threshold: No data available. pH: No data available.

Viscosity: 300 cps @ 77°F **Autoignition Temperature:** No data available.

Flash Point and Method: 415°F (213°C) PMCC Flammable Limits: (LEL) -No data available.

(UEL)

Flammability (solid, gas): **Decomposition Temperature:** No data available. No data available.

Explosive Properties: Not explosive. **Oxidizing Properties:** Not an oxidizer.

9.2. Other information

Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity Not classified as dangerously reactive.

Stable 10.2. Chemical stability

10.3. Possibility of hazardous

reactions

Hazardous polymerization will not occur

10.4. Conditions to avoid Incompatible materials

10.5. Incompatible materials Can react vigorously with oxidizing materials.

10.6. Hazardous decomposition

products

Products of incomplete combustion may include carbon monoxide, carbon dioxide and dense smoke.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute Oral LD50: No data available. No data available. Acute Dermal LD50: Acute Inhalation LC50: No data available. **Skin Irritation:** No data available. **Eye Irritation:** No data available. **Skin Sensitization:** No data available. Mutagenicity: No data available. Reproductive / Developmental No data available. Toxicity:

Carcinogenicity: No data available.

Target Organs: None known

Aspiration Hazard: No data available.

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Primary Route(s) of Exposure: Skin contact and absorption, eye contact, and inhalation. Ingestion is not likely to be a primary route of

exposure.

Most important symptoms and effects, both acute and delayed

Not expected to be irritating to skin or eyes. Not toxic by oral, dermal or inhalation routes. Not a

sensitizer. Delayed Effects: None known.

Additive or Synergistic effects: None known.

SECTION 12: Ecological information

12.1. Toxicity No data available.

12.2. Persistence and No data available

degradability

12.3. Bioaccumulative potential No data available

12.4. Mobility in soil No data available

12.5. Results of PBT and vPvB

assessment

No data available.

12.6. Other adverse effects No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

US EPA Waste Number: Non-Hazardous

Waste Disposal: NOTE: Generator is responsible for proper waste characterization. State hazardous waste regulations

may differ substantially from federal regulations. Dispose of this material responsibly, and in accordance

with standard practice for disposal of potentially hazardous materials as required by applicable

international, national, regional, state or local laws, and environmental protection duty of care principles. Do NOT dump into any sewers, on the ground, or into any body of water. For disposal within the EC, the appropriate classification code according to the European Community List of Wastes should be used.

Note that disposal regulations may also apply to empty containers and equipment rinsates.

SECTION 14: Transport information

The following information applies to all shipping modes (DOT/IATA/ICAO/IMDG/ADR/RID/ADN), unless otherwise indicated:

14.1. UN number Not applicable **14.2. UN proper** Chemicals, n.o.s. (POLYCIN® D-290)

shipping name

14.3. Transport hazard class(es) Not applicable **14.4. Packing group** Not applicable

14.5. Environmental hazards Not applicable

NA Emergency Guidebook Not applicable IMDG EMS: Not applicable;

Numbers:

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

Chemical Inventory Lists: Status:

USA TSCA: Listed EC / list No.: 247-669-7 Canada(DSL/NDSL): DSL Japan: Not listed. Korea: Not listed. Australia: Listed China: Not listed. Philippines: Listed Listed Taiwan: New Zealand: Listed

German Water Hazard

Classification:

No data available. ()

SARA 313: Not listed.

State Regulations: Not applicable.

New Jersey Trade Secret 54004100000-5046P

Information:

HMIS IV:



NFPA:



15.2. Chemical safety assessment

Not applicable.

SECTION 16: Other information

Legend of Abbreviations:

ACGIH = American Conference on Governmental Industrial Hygienists.

CAS = Chemical Abstracts Service.

CFR = Code of Federal Regulations.

DSL/NDSL = Domestic Substances List/Non-Domestic Substances List.

EC = European Community.

EINECS = European Inventory of Existing Commercial Chemical Substances.

ELINCS = European List of Notified Chemical Substances.

EU = European Union.

GHS = Globally Harmonized System.

LC = Lethal Concentration.

LD = Lethal Dose.

NFPA = National Fire Protection Association.

NIOSH = National Institute of Occupational Safety and Health.

NTP = National Toxicology Program.

OSHA = Occupational Safety and Health Administration

PEL = Permissible Exposure Limit.

RQ = Reportable Quantity.

SARA = Superfund Amendments and Reauthorization Act of 1986.

TLV = Threshold Limit Value.

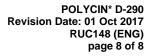
WHMIS = Workplace Hazardous Materials Information System.

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Issued by: Regulatory Management Department Email: SDS@Vertellus.com

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Revision Details: Revised chemical inventory list data in section 15.