

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name : PolyDrop DISTAT Series
Product Number : LVP 131
Brand : PolyDrop™
CAS-No : Not Available

1.2 Relevant identified uses of the substance and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company : PolyDrop, LLC
454 N 34th St
Seattle WA 98105

Telephone : +0012066012191

1.4 Emergency telephone number

Emergency Phone Number: (206) 601-2191

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Skin Corrosion (Category 1A), H314 Serious eye damage (Category 1), H318
For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s) H314	Causes severe skin burns and eye damage
Precautionary statement(s) P264 P280	Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P330 + P331 P303 + P361 + P353	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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 or doctor/ physician.
P321	Specific treatment (see supplemental first aid instructions on this label). P363 Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION INFORMATION ON INGREDIENTS

Name	CAS #	% by Weight
Proprietary Corrosive Compound	N/A	0-1
Proprietary Structuring Compound	N/A	20-30
Proprietary Polymeric Compound	N/A	> 70

Toxicological Data on Ingredients: Corrosive Compound: LD50 Oral - Rat - 825 mg/kg , LD50 Dermal - Rabbit - > 10,000 mg/kg Structuring Compound: ORAL (LD50): Acute 438 mg/mL [Rat], 1330 mg/kg [Mouse]. Polymeric Compound: Not fully tested.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Continue rinsing eyes during transport to hospital. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

no data available

5. FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

no data available

5.3 Advice for firefighters

Wear self-contained breathing apparatus for fire fighting if necessary.

5.4 Further information

no data available

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

- 6.3 Methods and materials for containment and cleaning up**
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.
- 6.4 Reference to other sections**
For disposal see section 13.
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7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
Avoid inhalation of vapour or mist. For precautions see section 2.2.
- 7.2 Conditions for safe storage, including any incompatibilities**
Keep container tightly closed in a dry and well-ventilated place. Containers, which are opened, must be carefully resealed and kept upright to prevent leakage.
Recommended storage temperature: 2 - 8 °C
- 7.3 Specific end use(s)**
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Exposure Controls**
- Engineering Controls**
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.
- Personal Protection**
Splash goggles. Lab coat. Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Use nitrile rubber gloves with a minimum layer thickness of at least 0.11 mm. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.
- Personal Protection in Case of a Large Spill**
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling product. Do not let product enter drains.
- 8.2 Exposure Limits:**
TWA: 983 STEL: 1230 (mg/m³) [Australia] TWA: 200 STEL: 400 (ppm) from ACGIH (TLV) [United States] [1999] TWA: 980 STEL: 1225 (mg/m³) from NIOSH TWA: 400 STEL: 500 (ppm) [United Kingdom (UK)] TWA: 999 STEL: 1259 (mg/m³) [United Kingdom (UK)] TWA: 400 STEL: 500 (ppm) from OSHA (PEL) [United States] TWA: 980 STEL: 1225 (mg/m³) from OSHA (PEL) [United States] Consult local authorities for acceptable exposure limits.
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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state and appearance	liquid
Odor	no data available
Taste	no data available
Molecular Weight	no data available
Color	dark blue
pH:	5-9 at 20 °C (68 °F)
Melting point/freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	> 100 °C (> 212 °F)
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapor pressure	no data available
Vapour density	no data available
Relative density	no data available
Water solubility	no data available
Partition coefficient: n- octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

9.2 Other safety information

no data available

10. STABILITY & REACTIVITY

10.1 Reactivity

no data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

no data available

10.5 Incompatible materials

no data available

10.6 Hazardous decomposition products

Other decomposition products - no data available In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Routes of Entry: Eye contact. Inhalation. Ingestion.

Toxicity to Animals:

Corrosive Compound: LD50 Oral - Rat - 825 mg/kg , LD50 Dermal - Rabbit - > 10,000 mg/kg Structuring Compound: ORAL (LD50): Acute 438 mg/mL [Rat], 1330 mg/kg [Mouse]. Polymeric Compound: Not fully tested.

Chronic Effects on Humans:

CARCINOGENIC EFFECTS: May cause damage to the following organs: lungs, upper respiratory tract, skin, eyes. DEVELOPMENTAL TOXICITY: Not available.

Other Toxic Effects on Humans:

Very hazardous in case of ingestion, of inhalation.Slightly hazardous in case of skin contact (irritant and potential permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: May cause mild skin irritation, and sensitization. Eyes: Can cause eye irritation with possible eye damage. Inhalation: It may cause severe respiratory tract (nose and throat) irritation causing coughing and wheezing and labored breathing. However, breathing large amounts may be harmful and may affect the respiratory system and mucous membranes (irritation), behavior and brain (Central nervous system depression - headache, dizziness, drowsiness, stupor, incoordination, unconsciousness, coma and possible death), peripheral nerve and sensation, blood, urinary system, and liver. Ingestion: Harmful if swallowed. It may cause abdominal cramping, nausea, vomiting, hypermotility, diarrhea, lacrimation. It may also affect behavior/central nervous system/peripheral nervous system (somnia, seizures, spastic paralysis with or without sensory change). Chronic Potential Health Effects: Prolonged or repeated inhalation can irritate the lungs and may cause bronchitis to develop. Prolonged or repeated ingestion may affect liver, kidneys, blood and metabolism.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

no data available

12.2 Persistence and degradability

no data available

- 12.3 Bioaccumulative potential**
no data available
- 12.4 Mobility in soil**
no data available
- 12.5 Results of PBT and vPvB assessment**
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
- 12.6 Other adverse effects**
no data available
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13. DISPOSAL CONSIDERATIONS

- 13.1 Waste disposal**
Waste must be disposed of in accordance with federal, state and local environmental control regulations

14. TRANSPORT INFORMATION

DOT Classification: Not dangerous goods.
Identification: Not available.
Special Provisions for Transport: Not available.

15. OTHER REGULATORY INFORMATION

Federal and State Regulations:

REACH No.: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
EINECS: Not applicable.

Other Classifications:

WHMIS (Canada):

CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):

R22 – Harmful if swallowed. R37/38 – Irritating to respiratory system and skin. R41 – Risk of serious damage to eyes. S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S29 – Do not empty into drains. S36/37/39 – Wear suitable protective clothing, gloves and eyes/face protection.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 1

Reactivity: 1
Personal Protection: J
National Fire Protection Association (U.S.A.):
Health: 3
Flammability: 1
Reactivity: 1
Protective Equipment:

Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

16: OTHER INFORMATION

Referenced: Not Available.

Other Special Considerations: This chemical is only for use as a dispersion within a liquid coating matrix.

Created: 04/15/2015 04:00 PM

Last Updated: 04/17/2015 02:00 PM

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