



MSDS – Product #59-201 Flystuff Droso-Plugs®, Wide Vials,
Manual Insertion, 4840 Plugs/Unit

11/29/2022

PRODUCT IDENTIFICATION

PRODUCT: Droso-Plugs®, Wide Vials, Manual Insertion, 4840 Plugs/Unit
PRODUCT #: 59-201
MANUFACTURER: Flystuff
RECOMMENDED USE: For Laboratory Research Use Only
Not for Human or Animal Drug Use

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US Classification

Not classified

2.2. Label Elements

GHS-US Labelling

No labeling applicable

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixture

Name	Product Identifier	%
Polyurethane	(CAS No) 9009-54-5	> 65
Filler	(CAS No) 13983-17-0	< 30
Water	(CAS No) 7732-18-5	< 5

*The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].

*This product is classified as an article and non-hazardous according to the criteria established in the OSHA Hazard Communication Standard [29 CFR 1910.1200].

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: None required under normal use conditions.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid Measures After Ingestion: None required under normal use conditions.

4.2. Most Important Symptoms and Effects both Acute and Delayed

Symptoms/Injuries: Not expected to present a hazard under anticipated conditions of normal use.

Symptoms/Injuries After Inhalation: Not expected to present a hazard under anticipated conditions of normal use.

Symptoms/Injuries After Skin Contact: Not expected to present a hazard under anticipated conditions of normal use.

Symptoms/Injuries After Eye Contact: Exposure from dust of material may cause eye irritation.

Symptoms/Injuries After Ingestion: Not expected to present a hazard under anticipated conditions of normal use.

Chronic Symptoms: None expected under normal conditions of use.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide.

Unsuitable Extinguishing Media: None known

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: If ignited, foam can produce intense heat, and dense black smoke and toxic gases. Material can melt into a burning liquid that can drip and flow.

Explosion Hazard: Accumulated polyurethane dust can be ignited and presents a fire risk. High concentrations of dust in the air can explode if exposed to a flame, spark, or other ignition sources.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Combustion products include toluene, carbon monoxide, hydrogen cyanide, and nitrogen oxide fumes due to urethane contact.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid breathing dust.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Recover the product by vacuuming, shoveling or sweeping. Transfer spilled material to a suitable container for disposal.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Product dust is combustible. Use care during processing to minimize generation of dust. Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion. Keep dust levels to a minimum and follow applicable regulations.

Other information: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Products: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)

Typical use of Porex Supersoft® HighLoad foams are for medical and cosmetic products. This foam can also be used for other similar applications such as ear plugs, insulation, gasket material, cushioning, filler material, and packaging.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

8.2. Exposure Controls

Appropriate Engineering Controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment : Gloves. Protective clothing.



Materials for Protective Clothing : Chemically resistant materials and fabrics.

Hand Protection : Wear protective gloves.

Eye Protection : Recommended if dust is generated.

Skin and Body Protection : Wear suitable protective clothing.

Respiratory Protection : If needed, use appropriate NIOSH-approved respiratory based on identity and concentration of air contaminant.

Other Information : When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: Flexible hydrophillic polyurethane foam
Odor	: Practically odorless
Odor Threshold	: No data available
pH	: No data available
Evaporation Rate	: No data available
Melting Point	: > 350 °F (> 176.67 °C)
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: 500 °F (260 °C)
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: No data available
Specific Gravity	: 0.080 – 0.120
Solubility	: Water: Insoluble
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

9.2. Other Information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. **Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. **Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. **Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials.
- 10.5. **Incompatible Materials:** Strong acids, strong bases, strong oxidizers.
- 10.6. **Hazardous Decomposition Products:** Toluene, Carbon Monoxide, Hydrogen Cyanides, Nitrogen Oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity: Not classified

Skin Corrosion/Irritation: Not classified

Serious Eye Damage/Irritation: Not classified

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: NO mutagenic components identified

Carcinogenicity: Not classified

Polyurethane (9009-54-5)	
IARC group	3

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Prolonged exposure from dust of material may cause irritation.

Symptoms/Injuries After Skin Contact: None expected under normal conditions of use.

Symptoms/Injuries After Eye Contact: Exposure from dust of material may cause eye irritation.

Chronic Symptoms: None expected under normal conditions of use.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General : Not classified.

12.2. Persistence and Degradability

Supersoft HL Flexible Polyether Polyurethane Foam

Persistence and Degradability : Not established.

12.3. Bioaccumulative Potential

Supersoft HL Flexible Polyether Polyurethane Foam

Bioaccumulative Potential : Not established.

12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Ecology - Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

14.1. In Accordance with DOT : Not regulated for transport

14.2. In Accordance with IMDG : Not regulated for transport

14.3. In Accordance with IATA : Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

TSCA (Toxic Substance Control Act)	All of the components are listed or exempt from listing on the TSCA inventory
CERCLA (Comprehensive Response Compensation, and Liability Act)	None
SARA Title III (Superfund Amendments and Reauthorization Act)	None
311 / 312 Hazard Categories	N/A
313 Reportable Ingredients	None

15.2 US State Regulations

U.S. - California - Proposition 65 - Carcinogens List	WARNING: This product utilizes two chemicals (Toluene Diisocyanate(TDI) and Propylene Oxide (PO)) which are listed on the Cal Prop 65 list (July 15, 2016). However, TDI and PO react with other components to form polyurethane foam and are no longer present in the final foam product.
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SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 01/14/2019

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

GHS Full Text Phrases:

May form combustible dust concentrations in air

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.