your partner in food safety

SDS
Safety Data Sheet

1) **Product Identification**

Product Name: Slip-Pin

Product Code: I00100

Recommended Use: Effective multifunctional concentrate designed to enhance the action of food grade lubrication oils.

Producer: Birko Corporation
9152 Yosemite Street
Henderson, CO 80640-8027

Contact Information: (303) 289-1090 or 1-800-525-0476

Emergency Number: CHEMTREC 1-800-424-9300

2) **Hazard(s) Identification**

Health	Environmental	Physical
Acute Toxicity Cat. 5 (oral, dermal) Skin Corrosion Cat. 3 Eye Effects Cat. 2B	Aquatic Toxicity Acute Cat. 3	

Labeling:

Symbol: 

Signal Word: Danger
Irritant, Aquatic Toxicity

Hazard Statement(s): May cause eye damage, and may be harmful if swallowed. Contact with skin for extended periods of time can cause irritation. Do not get into eyes, or on clothing. In case of contact immediately flush with water. If in eyes flush with water for at least 15 minutes.

Precautionary Statement(s): Use rubber gloves, and protective clothing. Remove contaminated clothing and wash before re-use. Do not contaminate food, feed, or water. Keep container closed when not in use.

3) Composition/ Information on Ingredients

Name(s)	Synonym(s)	CAS Number	Weight %
Mineral Oil	White Oil	8042-47-5	<90%

4) First-Aid Measures

Inhalation	Skin Contact	Eye Contact	Ingestion
Vaporization is not expected at ambient temperatures. This material is not expected to cause inhalation-related disorders under anticipated conditions of use. In case of overexposure, move the person to fresh air.	If burned by hot material, cool skin by quenching with large amounts of cool water. For contact with product at ambient temperatures, remove contaminated shoes and clothing. Wipe off excess material. Wash exposed skin with mild soap and water. Seek medical attention if tissue appears damaged or if pain or irritation persists.	Check for and remove contact lenses. Flush eyes with cool, clean, low-pressure water while occasionally lifting and lowering eyelids. Seek medical attention if excessive tearing, redness, or pain persists.	Do not induce vomiting unless directed to by a physician. Do not give anything to drink unless directed to by a physician. Never give anything my mouth to a person who is not fully conscious. If significant amounts are swallowed or irritation or discomfort occurs, seek medical attention immediately.

5) Firefighting Measures

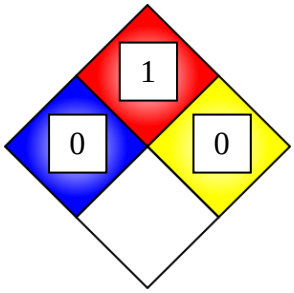
Suitable Extinguishing Media: Carbon Dioxide, Dry Chemical, Water Fog, and Foam

Unsuitable Extinguishing Media: N/A

Flash Point: Open cup: >188°C or >370°F

Specific Hazards: Can burn but will not readily ignite. This material will release vapors when heated above flash point temperature that can ignite when exposed to a source of ignition. In enclosed spaces, heated vapor can ignite with explosive force. Always wear self-contained breathing apparatus when fighting a chemical fire.

Special Protective Actions for Fire-Fighters: Carbon dioxide/Carbon monoxide, smoke, fumes, and unburned hydrocarbons liberated during combustion.



6) Accidental Release Measures

Personal Precautions: Be sure to use all necessary Personal Protective Equipment. Evacuate all unprotected personal to safe area.

Environmental Precautions: In natural environments, seek cleanup advice from specialists to minimize physical habitat damage. This material will float on water. Avoid contamination of food, feed, sewers, waterway, or groundwater.

Methods and Materials for Containment and Clean-Up: Do not touch damaged containers or spilled material unless wearing appropriate protective equipment. Slipping hazard; do not walk trough spilled material. Stop leak if you can do so without risk. Small Spill: Absorb or cover with dry earth, sand or other iert non-combustible absorbent material and place into waste containers for later disposal. Large Spills: Contain large spills to maximize product recovery or disposal. Prevent entry into water ways or sewers. In urban area, cleanup spill as soon as possible. Absorbent pads and similar materials can be used. Comply with all laws and regulations.

7) Handling and Storage

Precautions for Safe Handling: Do not contaminate food, feed, or natural water. Supplier is not responsible for disposition of this product. Do not reuse container. Maintain an eyewash station, and safety shower in product handling areas.

Conditions for Safe Storage: Keep container closed when not in use. Store in a cool, dry, and well-ventilated location. Keep away from heat and incompatible materials.

8) Exposure Controls and Personal Protection

Appropriate Engineering Controls: Ventilation: Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits.

Exposure Limits:

Name (CAS-No.)	PEL	TWA	STEL	IDLH
Mineral Oil (8042-47-5)	5 mg/m3 OSHA	5 mg/m3 OSHA 5 mg/m3 ACGIH	10 mg/m3 ACGIH	N/A

Personal Protective Equipment

Eye/Face	Skin	Gloves
		

Eye/Face: Safety glasses. Wear chemical safety goggles when appropriate.

Skin: Wear appropriate protective clothing.

Gloves: Wear appropriate chemical resistant gloves.

Respiratory: Use only when concentrations exceed exposure limits. If limits are exceeded a NIOSH approved respirator is required. If eye irritation occurs use a full face style mask. When vapor concentrations are above limit or in a spill emergency a NIOSH approved self-contained breathing apparatus or airline respirator, with full-face piece is required. If respirators are warranted in the workplace a respiratory protection programs must meet 29 CFR 1910.134, and be followed.

Protective Material Types: Heavy nitrile rubber.

9) Physical and Chemical Properties

Physical Form: Liquid

Appearance: Colorless-slight yellow (Milky when agitated)

Odor: Slightly Oily

pH: N/A

Melting Point: Not available

Freezing Point: Not Established

Boiling Point: 539° F

Flash Point: >200°F (TCC)

Evaporation Rate: < 1

Flammability: Non Flammable

Upper/Lower Flammability or explosive limits: Not applicable

Vapor Pressure: Note established

Vapor Density: >1

Relative Density: Not available

Specific Gravity: 0.86

Solubility: Dispersible

Partition coefficient: Not available

Auto-Ignition Temperature: Not applicable

Decomposition Temperature: Not available

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10) Stability and Reactivity

Chemical Stability: Stable under normal storage conditions.

Possibility of Hazardous Reactions: Not expected to occur.

Conditions to Avoid: Keep away from extreme heat, sparks, open flame, and strongly oxidizing conditions.

Materials to Avoid: Strong oxidizers.

Hazardous Decomposition Products: Carbon dioxide/Carbon monoxide, smoke, fumes, and unburned hydrocarbons liberated during combustion.

11) Toxicological Information

Acute Toxicity:

Test	Results	Basis
Oral LD50 (Rat)	>5000 mg/kg	Product test data
Dermal LD50 (Rabbit)	>2000 gm/kg	Product test data

Summary Comments: Lifetime mouse skin painting studies indicated that white mineral oils are not mutagenic or carcinogenic. Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In acute and sub-acute studies involving exposures to lower concentrations of mineral oil mists at or near current work place exposure levels produced no significant toxicological effects.

Sub-chronic/Chronic Toxicity:

Test	Results	Comments
N/A	**N/A**	**N/A**

Summary Comments: In long term studies (up to two years) no carcinogenic effects have been reported in any animal species tested.

12) Ecological Information

Toxicity:

Test	Results
N/A	N/A

Persistence and Degradability: Not established

Bioaccumulative Potential: This material is believed not to bioaccumulate.

Mobility in Soil: If spilled any contaminate soil or water may be be harmful to human, animal, and aquatic life.

Other Adverse Effects: Coating action associated with petroleum and petroleum products can be harmful to fatal to aquatic life and waterfowl. Oil layer might limit or eliminate natural atmospheric oxygen transport into water.

13) Disposal Considerations

Disposal Method: Dispose in accordance with all applicable regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): D002

14) Transport Information

UN Number: N/A

UN Proper Shipping Name: N/A

Transport Hazard Class (es): N/A

Packing Group: N/A

Environmental Hazard(s): N/A

Special Precautions for User: N/A

15) Regulatory Information

US Regulations:

CERCLA Sections 102a/103 Hazardous substances (40 CFR 302.4):

Not regulated

SARA Title III SARA Sections 311/312 Hazardous Categories (40 CFR 370.21):

Acute: No

Chronic: No

Fire: No

Reactive: No

Sudden Release: No

State Regulations:

California Proposition 65: This product is not listed

Canadian Regulations:

Controlled Products Regulations (CPR): This product has been classified in accordance with the criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the CPR.

WHMIS Classification: B

National Inventory Status: U.S. Inventory (TSCA): All the components of this substance are listed on or exempt from the inventory.

Canada Inventory (DSL/NDSL): All components of this product are listed on the DSL

16) Other Information

HMIS

1	**FLAMMABILITY**
0	**HEALTH**
0	**REACTIVITY**
B	**Personal Protection**

Hazard Index

4-Severe

3-Serious

2-Moderate

1-Slight

0-Minimal

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Approved By: Terry L. McAninch

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