



your partner in food safety

SDS

Safety Data Sheet

1) Product Identification

Product Name: Wax-OFT

Product Code: I03000

Recommended Use: Low alkaline mixture of detergents and solvents for natural wax removal on hard surfaces and equipment.

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. 4 Skin Corrosion Cat. 3 Eye Effects Cat. 2A Dermal Effect Cat. 3	Aquatic Toxicity Acute Cat. 4	

Labeling:**Symbol:****Signal Word: WARNING****Irritant**

Hazard Statement(s): This product may cause eye damage, and may be harmful or fatal if swallowed. Do not get into eyes or on clothing. In case of contact immediately flush with water for at least 15 minutes.

Precautionary Statement(s): **Contact** Use rubber gloves, protective splash-proof goggles, 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 %
1-Butoxy-2-Propanol	Glycol Ether PNB	5131-66-8	< 10%
Monoethanolamine	Ethanolamine	141-43-5	< 20%
Dipropylene Glycol Methyl Ether	Di Methoxy Propanol	34590-94-8	< 10%

4) First-Aid Measures

Inhalation	Skin Contact	Eye Contact	Ingestion
Remove from exposure. Administer oxygen if breathing is difficult. Resuscitate if necessary. Get medical help immediately	Promptly rinse exposed areas with water. Do not wear contaminated clothing until it has been laundered. If irritation persists, consult a physician.	Immediately rinse eyes thoroughly in cool running water for at least 15 minutes. If irritation persists, or inflammation or swelling occurs, seek medical attention.	DO NOT induce vomiting. Have a conscious victim drink milk or water to dilute. Never give an unconscious person anything by mouth. Get medical help immediately.

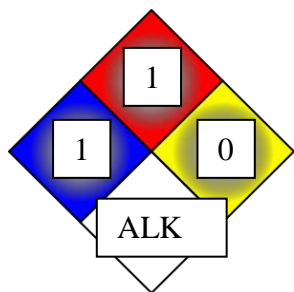
5) Firefighting Measures

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

Unsuitable Extinguishing Media: N/A

Specific Hazards: Always wear self-contained breathing apparatus when fighting a chemical fire.

Special Protective Actions for Fire-Fighters: Carbon Monoxide/Carbon Dioxide gases liberated during combustion. NO_x liberated during combustion.



6) Accidental Release Measures

Personal Precautions: Be sure to use all necessary Personal Protective Equipment

Environmental Precautions: Avoid contamination of food, feed, waterway, or groundwater.

Methods and Materials for Containment and Clean-Up: For Small Spills: Dilute with water and mop or absorb with inert material. Dispose of absorb material in appropriate waste container. For Large Spills: Keep material from ignition sources. Dike if needed to avoid contamination of sewers or waterways. Absorb with non-combustible materials. Dispose of material in appropriate waste container. Neutralize residual with mild acid before mopping.

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 location.

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	TLV
Dipropylene glycol methyl ether (34590-94-8)	100ppm/600 mg/m ³	ACGIH 100ppm OSHA 100ppm/600mg/m ³	ACGIH-150ppm OSHA 150ppm/900mg/m ³	N/A
Monoethanolamine (141-43-5)		OSHA 6 mg/m ³	ACGIH 15 mg/m ³	

Personal Protective Equipment

Eye/Face	Gloves	Clothing
		

Eye/Face: Safety glasses and/or splash proof goggles.

Skin: Wear appropriate chemical handling 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. If respirators are warranted in the workplace a respiratory protection programs must meet 29 CFR 1910.134, and be followed.

Protective Material Types: Butyl rubber, natural rubber, neoprene, nitrile, polyvinyl chloride (PVC), or Tychem (R)

9) Physical and Chemical Properties

Physical Form: Liquid

Appearance: Amber

Odor: Organic Solvent

pH: @ 1% 10.9

Freezing Point: Not Established

Boiling Point: 212-220° F

Flash Point: >200°F (TCC)

Evaporation Rate: < 1

Flammability: Combustible

Specific Gravity: 1.001

Solubility: 100%

10) Stability and Reactivity

Chemical Stability: Stable at normal temperatures and pressure.

Possibility of Hazardous Reactions: This product does not polymerize.

Conditions to Avoid: High temperatures and potential ignition sources.

Materials to Avoid: Acids

Hazardous Decomposition Products: Carbon Monoxide/Carbon Dioxide gases liberated during combustion. NO_x liberated during combustion.

11) Toxicological Information

Acute Toxicity:

Test	Results	Basis
LD50 Oral (Mouse)	700 mg/kg	Similar Product Test
LD50 Dermal (Rabbit)	1000 mg/kg	Similar Product Test

Summary Comments: Contact with skin or eyes for extended periods of time may cause irritation. If irritation persists, seek medical attention.

Sub-chronic/Chronic Toxicity:

Chemical Name	CAS #	Mutagen	Teratogen

Summary Comments: Chemical is not listed as a carcinogen by OSHA or IARC. Repeated exposure to Monoethanolamine may cause damage to kidneys and liver.

Medical conditions aggravated by exposure: N/A

12) Ecological Information

Toxicity:

Test	Results
LC50 (Rainbow Trout)	>100 mg/L

Persistence and Degradability: Not Established. Increased alkalinity may be harmful to aquatic life.

Bioaccumulative Potential: This material is believed not to bioaccumulate.

Mobility in Soil: N/A

Other Adverse Effects: N/A

13) Disposal Considerations

Disposal Method: Re-use or reprocess if possible. Dispose in accordance with all applicable regulations.

14) Transport Information

UN Number: Not Regulated by DOT

15) Regulatory Information

US Regulations:

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

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.

New Jersey Right to Know Hazardous Substance List:

Dipropylene Glycol Methyl Ether 34590-94-8

Monoethanolamine 141-43-5

Pennsylvania Right to Know: Hazardous Substance List:

Dipropylene Glycol Methyl Ether 34590-94-8

Monoethanolamine 141-43-5

Rhode Island Right to Know: Hazardous Substance List:

Monoethanolamine 141-43-5

Massachusetts Right to Know: Hazardous Substance List:

Monoethanolamine 141-43-5

Canadian Regulations:

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

WHMIS Classification: E

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

2	FLAMMABILITY
2	HEALTH
0	REACTIVITY
C	Personal Protection

Hazard Index

- 4-Severe
- 3-Serious
- 2-Moderate
- 1-Slight
- 0-Minimal

Preparer: Ramsey Johnson
Approved By: Terry L. McAninch
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Personal Protective Index

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Safety Glasses

Face Shield

Splash Goggles

Airline Hood or Mask

Gloves

Synthetic Apnea

Dust Respirator

Vapor Respirator

Dust + Vapor Respirator

Full Suit

Boots