

# MATERIAL SAFETY DATA SHEET

Murphy Oil Soap Liquid

## SECTION I PRODUCT INFORMATION

MSDS DATE: 04/01/89  
MANUFACTURERS NAME: The Murphy-Phoenix Company  
ADDRESS: P.O. Box 22930  
Beachwood, OH 44122  
EMERGENCY PHONE NUMBER: (216) 831-0404  
DISTRIBUTOR:  
CHEMICAL NAME:  
FORMULA:  
PART NUMBER: 18604, 18605  
CATEGORY:  
BRIEF DESCRIPTION:

## SECTION II HAZARDOUS INGREDIENTS & EXPOSURE LIMITS

HAZARDOUS COMPONENT(S)	CAS #	%	LIMIT VALUES	
propylene glycol monomethyl ether	107-98-2	5.00	TWA	100 ppm
			TWA	360 mg/m <sup>3</sup>
			STEL	150 ppm
			STEL	540 mg/m <sup>3</sup>

## SECTION III TYPICAL PHYSICAL PROPERTIES

BOILING POINT: NA  
VAPOR PRESSURE: NA  
VAPOR DENSITY: ~1  
SOLUBILITY IN WATER: Complete  
APPEARANCE AND ODOR: Amber, viscous liquid; citrus odor  
SPECIFIC GRAVITY: ND  
% VOLATILE/VOLUME: ND  
pH: 10.5  
MISC. INFORMATION:

\*\*\*\*\* NFPA RATINGS \*\*\*\*\*  
HEALTH = 1      FLAMMABILITY = 1      REACTIVITY = 0      SPECIAL HAZARD = A

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**SECTION IV FIRE & EXPLOSION HAZARD DATA**

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FLASH POINT: >250F TCC  
FLAMMABLE LIMITS:  
LOWER EXPLOSIVE LIMIT (LEL): NA  
UPPER EXPLOSIVE LIMIT (UEL): NA  
EXTINGUISHING MEDIA:  
Water, water fog, alcohol foam, CO2, dry chemical.  
SPECIAL FIRE FIGHTING PROCEDURES:  
None  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
None

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**SECTION V HEALTH HAZARD DATA**

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**EFFECTS OF OVEREXPOSURE**

EYES:

Irritant

SKIN:

ND

INGESTION:

ND

INHALATION:

ND

**FIRST AID PROCEDURES**

EYE CONTACT:

Flush with copious amounts of water for 15 minutes. If irritation persists, call a physician.

SKIN CONTACT:

ND

INGESTION:

ND

INHALATION:

ND

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**SECTION VI REACTIVITY DATA**

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STABILITY: Unstable  
HAZARDOUS POLYMERIZATION: Will not occur  
CONDITIONS TO AVOID:

INCOMPATIBILITY (materials to avoid):  
Strong oxidizing agents, reactive alloys.

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SECTION VI REACTIVITY DATA cont.

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HAZARDOUS DECOMPOSITION PRODUCTS:  
CO, CO2

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SECTION VII SPILL OR LEAK PROCEDURES / WASTE DISPOSAL

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STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

This product is biodegradeable. Place bulk of spilled material into drums, then rinse any remaining material to sewage treatment facility.

WASTE DISPOSAL:

Dispose in accordance with federal, state and local regulations.

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SECTION VIII SPECIAL PROTECTION

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LOCAL EXHAUST: ND  
SPECIAL EXHAUST: ND  
OTHER EXHAUST: ND  
MECHANICAL: ND  
PROTECTIVE GLOVES: ND  
EYE PROTECTION: ND  
OTHER PROT. EQUIPMENT: ND  
RESPIRATORY PROTECTION: ND  
VENTILATION: ND

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SECTION IX SPECIAL PRECAUTIONS

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PRECAUTIONS IN HANDLING AND STORAGE:

OTHER PRECAUTIONS:

ADDITIONAL INFORMATION TO ADD ABOUT PRODUCT:

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