

APG**Analytical Products Group, Inc.**2730 Washington Blvd., Belpre, OH 45714
740-423-4200 800-272-4442 Fax 740-423-5588**Material Safety Data Sheet**

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Section I: Product Identification

CATALOG NUMBER: 400/4120/4122/4123/6120/9300/9800	PRODUCT NAME: Oil & Grease
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Section II - Hazardous Ingredients/Identity Information

Chemical Name	CAS Reg. No.	OSHA PEL (TWA)	% Composition*
Normal Propanol (1-Propanol)	71 - 23 - 8	200 ppm or 500 mg/m3	99%

Non-Hazardous Ingredients/Identity Information

Chemical Name	CAS Reg. No.	OSHA PEL (TWA)	% Composition*
Mixture of oils (non-aromatic hydrocarbons).			<1%

* Components are calculated on a weight/weight basis.

Section III - Physical/Chemical Characteristics of Hazardous Ingredients**I-Propanol**

BOILING POINT: 206 F (97 C)		SPECIFIC GRAVITY: (H2O=1) 0.8 @ 20 C	
VAPOR PRESSURE: MMHG 14.9 @ 20 C	SOLUBILITY IN WATER: Complete	APPEARANCE/ODOR: Colorless liquid, slight odor of ethanol (may be irritating to some individuals).	

Section IV - Fire and Explosion Hazard Data

FLASH POINT (Method used): 21 C closed cup	AUTO IGNITION TEMPERATURE: 412 C (775 F)	FLAMMABLE LIMITS	LEL 2.1%	UEL 13.7%
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, alcohol foam.				
SPECIAL FIRE FIGHTING PROCEDURES: Protective equipment, and self-contained breathing apparatus. Move containers from fire area if it can be done without risk.				
UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors may flow along surfaces to distant ignition sources and flash back. Closed containers exposed to heat may explode. Contact with strong oxidizers may cause fire.				

Section V - Reactivity Data

STABILITY:	Unstable <input type="checkbox"/>	Stable <input checked="" type="checkbox"/>	Conditions to Avoid: Oxidizers, heat and flames.
INCOMPATIBILITY (Materials to avoid): Strong oxidizing agents, strong acids, halogens.			
HAZARDOUS DECOMPOSITION PRODUCTS: Toxic oxides of carbon.			
HAZARDOUS POLYMERIZATION:	May Occur <input type="checkbox"/>	Will Not Occur <input checked="" type="checkbox"/>	Conditions to Avoid: N/A

Section VI - Health Hazard Data

ROUTES OF ENTRY	Inhalation? Yes	Skin? Yes	Ingestion? Yes
HEALTH HAZARDS (Acute and Chronic): ACUTE: Irritant CHRONIC: None identified			
COMPONENTS LISTED AS CARCINOGENS OR POTENTIAL CARCINOGENS: None Known			
SIGNS AND SYMPTOMS OF EXPOSURE: Dizziness, headache, confusion, nausea.			
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None identified, skin contact will affect individuals with dermatitis.			
EMERGENCY AND FIRST AID PROCEDURES: EYE CONTACT: May cause temporary corneal damage; Wash with water 10-15 minutes , get medical attention. SKIN CONTACT: wash with soap and water. INHALATION: Irritant, remove to fresh air, artificial respiration, oxygen if available, get medical attention. INGESTION: Get medical attention immediately, if conscious give excess water and induce vomiting.			

Section VII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb with sand or other non-flammable absorbent material.
WASTE DISPOSAL METHOD: Dispose as flammable solvent. Diluted sample (in water), may be flushed to sewer if local regulations permit.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep undiluted sample away from heat and flame.
OTHER PRECAUTIONS* Do not heat or allow the sample to evaporate to dryness.

Section VIII - Control Measures

RESPIRATORY PROTECTION (Please specify): Chemical cartridge organic vapor, full face piece.	
VENTILATION: Local exhaust	
PROTECTIVE GLOVES: Butyl, neoprene, nitrile or vinyl gloves.	EYE PROTECTION: Safety glasses
OTHER PROTECTIVE EQUIPMENT: NA	
EMERGENCY WASH FACILITIES: Maintain eye wash and quick drench showers in work area.	

Section IX – WHMIS Class : B, D2B Flammable and Other Toxic Effects Material**Section X – Transportation Information**

DOT Hazard Class: n-Propanol solution - UN1274, Class 3, Packing Group III
Shipping by Air: IATA Dangerous Goods Regulations - Section 2.7 Dangerous Goods in Excepted Quantities
Shipping by Ground: DOT 49CFR 173.4 Small quantity exceptions.

The information stated in this Material Safety Data Sheet (MSDS) is believed to be correct on the date of publication and must not be considered all conclusive. The information has been obtained only by a search of available literature and is only a guide for handling the chemicals. Persons not specifically and properly trained should not handle this chemical or its container. This MSDS is provided without any warranty expressed or implied, including merchantability or fitness for any particular purpose.

This product is furnished for laboratory use ONLY! Our standards may not be used as drugs, cosmetics, agricultural or pesticidal products, food additives or as house hold chemicals.

* Various Government agencies (i.e., Department of Transportation, Occupational Safety and Health Administration, Environmental Protection Agency, and others) may have specific regulations concerning the transportation, handling, storage or use of this product which may not be contained herein. The customer or user of this product should be familiar with these regulations.