

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product:	765-1525, 765-1526, & 827-2529	Trade Name:	Cutting and Grinding Oil
Manufacturer:	AGS Company	Common Name:	Cutting and Grinding Oil
Street Address:	2651 Hoyt St		
City/ State/ Zip	Muskegon Hts., MI 49444		
Phone:	800-253-0403		
Phone:	231-733-2101		
FAX:	231-733-1784	Original Issue Date:	10/2/1986
Transportation Emergency:	CHEM-TEL	Revision No	10 Date 1/2/2013
Phone:	800-255-3924		

SECTION 2 - COMPOSITION/ INFORMATION ON INGREDIENTS

ITEM		CAS NUMBER	WT/WT %
1	Hydrotreated Heavy Napthenic Oil	64742-52-5	60-100
2	Petroleum Sulfonic Acids, Sodium Salts	68608-26-4	15-40
3	2-Butoxyethanol	111-76-2	0.1-1
4	4-(2-Nitrobutyl), Morpholine	2224-44-4	0.1-1
5	4,4'-(2-Ethyl-2-Nitrotrimethylene) Dimorpholine	1854-23-5	0.1-1

EXPOSURE LIMITS

ITEM	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING
1	5 mg/m ³ skin	10 mg/m ³	5 mg/m ³	N.E.
2	N.E.	N.E.	N.E.	N.E.
3	20 ppm	60 ppm (30 min)	50 ppm	N.E.
4	N.E.	N.E.	N.E.	N.E.
5	N.E.	N.E.	N.E.	N.E.

(See Section 16 for abbreviation legend)

SECTION 3 - HAZARDS IDENTIFICATION

EYE CONTACT: Liquid may be irritating and can cause pain, tearing, reddening and swelling.

SKIN CONTACT: Prolonged or repeated contact may result in irritation and/or dermatitis.

INHALATION: Prolonged inhalation may cause headaches, dizziness and nausea.

INGESTION: This material may be harmful or fatal if swallowed.

CHRONIC HAZARDS: Overexposure may lead to dermatitis.

Primary Route(s) of Entry Skin and eye contact or ingestion.

SECTION 4 - FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN CONTACT: Immediately flush with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

INGESTION: Get medical attention immediately. If swallowed, DO NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

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SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT:	>350°F	LOWER EXPLOSIVE LIMIT:	N.D.	%
C.O.C.		UPPER EXPLOSIVE LIMIT:	N.D.	%

AUTOIGNITION TEMPERATURE: N.D.

EXTINGUISHING MEDIA: FOAM, CO₂, DRY CHEMICAL, WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Avoid excessive mist and /or aerosol formation.
Mist or spray could ignite at temperature below the indicated flash point. Keep away from flames.

SPECIAL FIREFIGHTING PROCEDURES: Wear NIOSH/MSHA approved self-contained breathing apparatus and protective gear. Water spray may be utilized to cool containers.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

RECOVERY PROCEDURES: Dike area to contain spill and clean up by absorbing on an inert material.
Do not flush into sewers or waterways. Non-essential personnel should not enter area due to slipping hazards

SECTION 7 - HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling

STORAGE: Store in a cool, dry ventilated area away from heat, sparks and flame.
Keep containers closed when not in use.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use in well ventilated area. Local exhaust could be utilized to remove fumes.

RESPIRATORY PROTECTION: For most conditions, no respiratory protection should be needed,
however, if high vapor concentration should develop, use a NIOSH approved organic vapor respirator.

SKIN PROTECTION: Where contact is likely, wear chemical resistant gloves.

EYE PROTECTION: Wear safety glasses with side shields or goggles.

OTHER PROTECTIVE EQUIPMENT: Eye wash in work area.

HYGIENIC PRACTICES: Wash hands before eating. Remove contaminated clothing and wash before reuse.
Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with eyes, skin, and clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	>500°F	VAPOR DENSITY:	>1
ODOR	petroleum odor	ODOR THRESHOLD	N.D.
APPEARANCE	Clear dark amber	EVAPORATION RATE	N.D.
SOLUBILITY IN H ₂ O	emulsifiable	VOC	NA
FREEZE POINT	N.D.	SPECIFIC GRAVITY	0.93 at 60°F
VAPOR PRESSURE	<0.1 @20°C	pH @ 5.0%	8 to 9
PHYSICAL STATE	liquid	VISCOSITY:	> 100SUS @100°F
COEFFICIENT OF WATER / OIL DISTRIBUTION: NEGLIGIBLE (See Section 16 for abbreviation legend)			

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Sources of ignition.

INCOMPATIBILITY: Strong acid or alkali, oxidizers and amines.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, sulfur, nitrogen and sodium are products of combustion.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions

STABILITY: This product is stable under normal storage conditions.

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SECTION 11 - TOXICOLOGICAL PROPERTIES

PRODUCT LD 50 >5000 mg/kg PRODUCT LC 50
Based on component data

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME Not Regulated

DOT TECHNICAL NAME

DOT HAZARD CLASS HAZARD SUBCLASS: NA

DOT UN / NA NUMBER: PACKING GROUP: NA RESP. GUIDE PAGE

SECTION 15 - REGULATORY INFORMATION

U.S FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Acute Health Hazard

SARA SECTION 313

This product contains the following substance subject to the reporting requirements of Section 313 of Title of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

CHEMICAL NAME	CAS NUMBER	WT /WT % IS LESS THAN
No SARA Section 313 components exist in this product		

TOXIC SUBSTANCE CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12 (B) if exported from the United States:

CHEMICAL NAME	CAS NUMBER
No information is available	

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U.S. STATE REGULATIONS: AS FOLLOWS -

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

CHEMICAL NAME	CAS NUMBER
No non-hazardous materials are among the top five ingredients.	

PENNSYLVANIA RIGHT-TO-Know

The following non-hazardous ingredients are present in the product at greater than 3%:

CHEMICAL NAME	CAS NUMBER
No non-hazardous ingredients are present at greater than 3%.	

CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are know to the state of California to causes cancer, birth defects or other reproductive harm.

CHEMICAL NAME	CAS NUMBER
No Proposition 65 chemicals exist in this product.	

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

SECTION 16 - OTHER INFORMATION

HMIS RATINGS:	Health	2	Flammability	1	Phys. Haz.	0	PPE	B
NFPA	Health	2	Flammability	1	Reactivity	0		

VOLATILE ORGANIC COMPOUNDS (VOCs): NA

LEGEND:	N.A.	Not Applicable	N.E.	Not Established
	N.D.	Not Determined		

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