

GrindClean Lubricants LLC

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT:

GRIND CLEAN-GK0 5

PRODUCT USE:

CARBIDE GRINDING
FLUID

RESTRICTIONS ON USE:

Refer to label, available technical information, and other appropriate sections of this SDS.

UN NUMBER:

Unregulated

Shipping Name

Unregulated

MANUFACTURER'S

GrindClean Lubricants

NAME: ADDRESS:

403 Teague Town Rd, Taylorsville, NS 28681

EMERGENCY PHONE:

704 880 3412

BUSINESS PHONE

Product Info: 828-352-9423

SDS #MBER:

SDL0547

DATE OF

4/21/2015

REVISION:

SECTION 2 - HAZARDS IDENTIFICATION

SIGNAL WORD: WARNING

HAZARD STATEMENT:

H305: May be harmful if swallowed and enters airways. H313: May be harmful in contact with skin. H320: Causes eye irritation.

PRECAUTIONARY STATEMENTS: (PREVENTION)

P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P103: Read label before use. P264: Wash all exposed skin/hair thoroughly after handling.

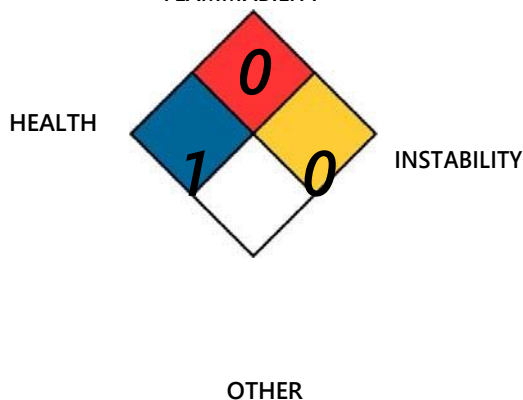
HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH HAZARD (BLUE)	1
FLAMMABILITY HAZARD (RED)	0
REACTIVITY HAZARD (YELLOW)	0

Hazard Scale
0=Minimal
1=Slight
2=Moderate
3=Serious
4=Severe
*=Chronic hazard

NFPA RATING

FLAMMABILITY



SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS#</u>	<u>EC#</u>	<u>ICSC#</u>	<u>WT%</u>
2-AMINO-2-METHYL-1-PROPANOL OXIRANE	124-68-5 CONFIDENTIAL	204-709-8 NE	NONE NONE	5 - 7 < 3
UNDECANEDIOIC ACID	1852-04-6	NE	NONE	< 2
DODECANEDIOIC ACID	693-23-2	217-440-6	NONE	< 2

SECTION 4 - FIRST AID MEASURES

Call a POISON CENTER or a doctor/physician if you feel unwell. Take a copy of this SDS to the health professional with the individual.

WARNING: May be harmful if swallowed and enters airways. May be harmful in contact with skin. Causes eye irritation. Also refer to Section 11 for symptoms, effects, and likely routes of exposure for this product.

TARGET ORGANS:

ACUTE: Skin, eyes, respiratory system and gastrointestinal systems. **CHRONIC:** Skin, eyes, respiratory system and gastrointestinal systems.

SKIN EXPOSURE: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Minimum flushing time is for 15 minutes. P312: Call a POISON CENTER or doctor/physician if you feel unwell.

EYE EXPOSURE: P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Use sufficient force to open the eyelids. Have the exposed individual "roll" their eyes. Minimum flushing time is for 15 minutes. P337+P313: If eye irritation persists get medical advice/attention.

INHALATION: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Remove or cover gross contamination to avoid exposure to rescuers. If not breathing or if breathing is difficult, seek immediate medical attention.

INGESTION: P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. P331: Do NOT induce vomiting. Never induce vomiting or give diluents (milk or water) by mouth to someone who is unconscious, having convulsions, or unable to swallow.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Skin and respiratory disorders, as well as conditions involving the "Target Organs" (see Section 2, Hazards Identification) may be aggravated by prolonged exposures to this product. Exposed individual must seek immediate medical attention if any adverse effect occurs.

NOTES TO PHYSICIAN: Treat symptoms as demonstrated by signs and distress in the patient.

SECTION 5 - FIRE FIGHTING MEASURES

SUITABLE (AND UNSUITABLE)

Use water spray, dry chemical, foam or CO2.

EXTINGUISHING MATERIALS:

Emits hazardous decomposition products, CO, CO2 and NO2.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Firefighters should wear fully protective clothing (chemical impermeable, fully encapsulated suit) and positive pressure self-contained breathing apparatus. Do not release run off from fire control methods to sewer or waterways.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, ENVIRONMENTAL PRECAUTIONS AND EMERGENCY PROCEDURES.
WARNING: Any container expansion or rounding indicates pressure build-up. Use extreme caution. When opening, release pressure slowly through opening.

SPILL AND LEAK RESPONSE: Uncontrolled releases should be responded to by appropriately trained personnel using pre-planned procedures. Proper protective equipment should be used, refer to Section 8 - exposure controls. P391: Collect spillage.

Small Spill: Mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill: Restrict access to the area. Provide adequate protective equipment and ventilation. Stop leak if without risk. Remove chemicals which can react with the spilled material. Add dry inert material to contain and absorb spilled material. Prevent entry into surface waters, sewers, basements or confined areas, dike if needed. Ensure that exposure to product is not at a concentration exceeding regulatory limits. Decontaminate the area thoroughly. Decontaminate all response equipment with soapy water before returning to service. Place all spill residue in a suitable container and seal.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Keep out of reach of children. All employees who handle this material should be trained to handle it safely. Open containers slowly on a stable surface. As with all chemicals, avoid getting this product ON YOU or IN YOU. Avoid direct or prolonged contact with skin or eyes. Do not ingest. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors, dusts or mists generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately. Use only as directed. Refer to Section 8 for exposure controls.

CONDITIONS FOR SAFE STORAGE: Containers of this product must be properly labeled. Storage areas of this product should be clearly identified, well-illuminated, clear of obstruction and accessible only to trained and authorized personnel. Store containers in a clean, cool, well ventilated, dry location, away from direct sunlight, away from incompatible materials at temperatures between 50°F (10°C) - 100°F (37°C). Keep container tightly closed when not in use. P405: Store locked up. Do not ingest. Do not breathe vapor mist. Wash hands after handling. Refer to Section 10 for incompatibilities.

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation. Eyewash/safety shower station is recommended to be available near where this product is used/stored.

EXPOSURE LIMITS/GUIDELINES:

.....EXPOSURE LIMITS IN AIR.....

CHEMICAL NAME	CAS#	ACGIH TLV		OSHA PEL	OTHER
		TWA	STEL	TWA	
2-AMINO-2-METHYL-1-PROPANOL	124-68-	NE	NE	NE	NON
OXIRANE	CONFIDENTIAL	NE	NE	NE	NON
UNDECANEDIOIC ACID	1852-04-6	NE	NE	NE	NON
DODECANEDIOIC ACID	693-23-	NE	NE	NE	NON

NE = Not Established

goggles or safety glasses with side shields. A face shield is necessary if splashing is anticipated. P264: Wash all exposed skin/hair thoroughly after handling.

Wear protective gloves/clothing/eye protection when using this product. Use chemically-resistant gloves when handling this product. P264: Wash all exposed skin/hair thoroughly

Chemical safety

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE and COLOR:	Clear green liquid	VAPOR PRESSURE, mm Hg @ 20°C : Not established
ODOR :	Sweet	VAPOR DENSITY (Air=1): >1
ODOR THRESHOLD:	Not established	RELATIVE DENSITY@20°C (water=1): 1.01
pH:	9.3 (neat)	SOLUBILITY IN WATER: Complete
MELTING/FREEZING POINT:	32°F/0°C	PARTITION COEFFICIENT(n-octanol/water): Not established
BOILING POINT:	> 212°F/100°C	AUTOIGNITION TEMPERATURE: Not established
FLASHPOINT:	Not established	DECOMPOSITION TEMPERATURE: Not established
EVAPORATION RATE (n-BuAc=1):	< 1 where butyl acetate=1	VISCOSITY: Not established
FLAMMABILITY (SOLID/GAS):	Not established	VOLATILE ORGANIC COMPOUNDS (%): Not Established
FLAMMABLE LIMITS (in air by volume, %):	Not established	

SECTION 10 - STABILITY AND REACTIVITY

REACTIVITY: *Product is not reactive under standard ambient temperature*

STABILITY: *and pressure. Stable under normal condition of use and*

POSSIBILITY OF *storage.*

HAZARDOUS REACTIONS: *None known.*

CONDITIONS TO AVOID: *Storage in direct sunlight.*

INCOMPATIBLE MATERIALS: *Strong oxidizers.*

HAZARDOUS

DECOMPOSITION PRODUCTS: *Thermal decomposition may result in oxides of carbon and nitrogen.*

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICOLOGICAL EFFECTS: *No data available for this product.*

LIKELY ROUTES OF EXPOSURE: *Skin/eye contact and inhalation.*

RELATED SYMPTOMS: *Skin, eye, respiratory and gastrointestinal irritation. May be harmful if swallowed.*

DELAYED/IMMEDIATE/CHRONIC EFFECTS

FROM SHORT AND

LONG TERM EXPOSURES: *Skin, eye, respiratory and gastrointestinal irritation. May be harmful if swallowed.*

NUMERICAL MEASURES OF

TOXICITY: *Not established for this product.*

CARCINOGENICITY: *None of the components of this product are listed by the NTP, IARC, or regulated by OSHA as carcinogens.*

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

ECOTOXICITY: *Data not available for this product.*

PERSISTANCE AND DEGRADABILITY: *No data available for this product.* BIOLOGICAL

ACCUMULATION POTENTIAL: *No data available for this product.* MOBILITY IN SOIL:

No data available for this product.

OTHER ADVERSE EFFECTS (i.e., hazardous to the ozone layer): *No data available for this product.*

BIOLOGICAL EXPOSURE INDICES: *Currently, Biological Exposure Indices (BEIs) have not been determined for this product.*

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL: *P501: Dispose of contents/container in accordance with local/regional/national/international regulations. Thoroughly drain/empty containers and offer for recycling. Refer to Section 8 for exposure controls - personal protection.*

SECTION 14 - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME

DOT: *NOT*

REGULATED IMDG/IMO:

NOT REGULATED

IATA/ICAO: *NOT REGULATED*

ENVIRONMENTAL HAZARDS

(i.e., MARINE POLLUTANT): *Not known.*

TRANSPORT IN BULK (according to annex II marpol 73/78 and the IBC code): *Not applicable.*

SPECIAL PRECAUTIONS FOR USER: *Not known.*

SECTION 15 - REGULATORY INFORMATION

United States and International Regulations

United States Regulations: U.S. SARA REPORTING REQUIREMENTS: The components of this product are subject to the reporting as listed below, requirements of Sections 302, 304, and 313 of Title of the Superfund Amendments and Reauthorization Act:

CHEMICAL NAME

2-AMINO-2-METHYL-1-PROPANOL SARA 302 (40 CFR 355, Appendix A) – NO
SARA 304 (40 CFR Table 302.4) – NO
SARA 313 (40 CFR 372.65) - NO

OXIRANE SARA 302 (40 CFR 355, Appendix A) – NO
SARA 304 (40 CFR Table 302.4) – NO
SARA 313 (40 CFR 372.65) - NO

UNDECANEDIOIC ACID SARA 302 (40 CFR 355, Appendix A) – NO
SARA 304 (40 CFR Table 302.4) – NO
SARA 313 (40 CFR 372.65) - NO

DODECANEDIOIC ACID SARA 302 (40 CFR 355, Appendix A) – NO
SARA 304 (40 CFR Table 302.4) – NO
SARA 313 (40 CFR 372.65) - NO

U.S. Regulations

U.S. SARA THRESHOLD PLANNING QUANTITY: There are specific Threshold Planning Quantities for the components of this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. CERCLA Reportable Quantity (RQ): None

U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory. Section 311/312 Hazard Category: Acute Health: NO CHRONIC: NO Fire: NO Reactive: NO Pressure: NO

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): No component of this product is on the Proposition 65 List.

International Regulations

CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are on the DSL or NDSL Inventories or are exempt from listing.

CANADIAN WHMIS CLASSIFICATION: Not listed.

SECTION 16 - OTHER INFORMATION

PREPARED BY: G-C LUBRICANTS

**SPECIAL LUBRICANTS FOR
INDUSTRY**

DATE OF REVISION: 4/21/201
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Supercedes: New Product

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