

Date Printed: 7/23/2001

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Product Code: NG930-1

Product Name: BLACK NGR CONCENTRATE (1 GAL)

GEMINI INDUSTRIES, INC., 2300 HOLLOWAY DRIVE, EL RENO, OK 73036

24-hour Emergency Phone: 800-510-8510

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

(SEE TOP OF PAGE)

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

COMPONENT/EXPOSURE LIMITS	CAS#
METHANOL	67-56-1
OSHA TWA PEL: 200ppm	
ACGIH TLV TWA 200ppm, STEL TLV 250ppm	
2-(2-BUTOXYETHOXY) ETHANOL	112-34-5
OSHA PEL: NOT LISTED	
ACGIH TLV: NOT LISTED	
ORASOL BLACK RLI	CONFIDENTIAL
CARBON BLACK OSHA PEL 1.0 mg/m3	

**3. HAZARDS IDENTIFICATION**

FLAMMABLE IN A LIQUID STATE

HIGH VAPOR CONCENTRATIONS MAY CAUSE MILD EYE AND SKIN IRRITATION.

**POTENTIAL HEALTH EFFECTS**

SKIN: Widespread contact with skin for several hours can cause harmful amounts of material to be absorbed

INGESTION: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation.

INHALATION: High vapor concentrations or prolonged breathing of lower concentrations may result in damage to the liver, kidneys, lungs and blood forming organs.

**4. FIRST AID MEASURES**

EYES: Flush with luke warm water for a minimum of 15 minutes. Seek medical attention immediately.

SKIN: Remove contaminated clothing, wash area immediately with soap and water. See physician if irritation persists.

INGESTION: Remove exposed individual to fresh air and assist breathing if necessary. Seek immediate medical attention.

INHALATION: Rinse mouth immediately. Drink 1 or 2 glasses of water to dilute. Do NOT induce vomiting. Contact physician or poison control center immediately.

**5. FIRE FIGHTING MEASURES****FLAMMABLE CLASSIFICATION: CLASS 1B**

LOWEST FLASH POINT: 54F    METHOD: TCC

DOT: FLAMMABLE LIQUID

**FLAMMABLE LIMITS:**

LOWER FLAMMABLE LIMIT: .85

UPPER FLAMMABLE LIMIT: 36

EXTINGUISHING MEDIA: Alcohol Foam, CO2, Dry Chemical

The National Fire Protection Association Class B extinguisher is designed to extinguish NFPA Class 1B flammable liquid fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS

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Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Close containers may explode when exposed to extreme heat. Do not apply to hot surfaces. Never use welding cutting torch on or near container (even empty) because product (even residue) may ignite explosively. and vapor states of this substance are dangerous fire hazards and moderate explosion hazards when exposed to heat or flame

**FIREFIGHTING INSTRUCTIONS:** Clear fire area of unprotected personnel. Do not enter confined space without helmet, face shield, bunker coat, gloves, rubber boots and a positive pressure NIOSH-approved self-contained breathing apparatus. A water stream can scatter flames. A spray of water may be used to cool containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

## 6. ACCIDENTAL RELEASE MEASURES

Stay upwind and away from spill or leak unless wearing appropriate protective equipment. Stop and/or contain spill if it may be done safely. Keep all sources of ignition away. Ventilate area of spill. Use non-sparking clean up. Cover with inert material to reduce fumes. Keep out of drains, sewer or waterways. If large spill occurs, alert spill response teams. Contact fire authorities. Notify local health and public control agencies.

## 7. HANDLING AND STORAGE

**HANDLING:** Bond and ground metal containers when transferring liquid. Avoid free fall of liquid in excess of a few inches. Personnel should avoid inhalation of vapors. Personal contact with the product should be avoided. If contact is made, remove saturated clothing and flush affected skin areas with water. Contents of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor and/or solid), all hazard precautions given in this sheet must be observed. Wet down all used wiping rags with water in a covered metal container to prevent spontaneous combustion.

**STORAGE:** Keep product containers cool, dry and away from sources of ignition. Use and store this product in areas with adequate ventilation. DO NOT SMOKE in or near storage areas

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**RESPIRATORY PROTECTION:** Use local exhaust as required to control vapor concentrations. Avoid prolonged or repeated breathing of vapors. If exposure exceeds TLV, use NIOSH-approved respirator to prevent overexposure.

**SKIN PROTECTION:**

**EYE PROTECTION:** Wear splashproof goggles and face shield if there is a likelihood of contact with eyes.

**HYGENIC PRACTICES:** Wash hands thoroughly before eating or using restroom. Remove contaminated clothing immediately and do not wear until it has been properly laundered.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**BOILING POINT:** 147F

**MELTING POINT:** N/A

**VAPOR PRESSURE:** N/A

**VAPOR DENSITY:** Heavier Than Air

**SOLUBILITY IN WATER:** N/A

**SPECIFIC GRAVITY:** .83

**COATING VOC LB/GL:** 6.75 lb/gal

**COATING VOC GM/LTR:** 809 g/l

**MATERIAL VOC LB/GL:** 6.75 lb/gal

**MATERIAL VOC GM/LTR:** 809 g/l

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% VOLATILE BY VOLUME: 98.48%  
 EVAPORATION RATE: Faster than Butyl Acetate.  
 HAPS/GALLON: 3.8403  
 LBS HAPS/LBS SOLID: 23.9464  
 WEIGHT PER GALLON: 6.91 lb/gal  
 PH: N/A  
 ODOR: N/A  
 APPEARANCE: N/A

**10. STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable      Conditions to Avoid: high heat, sparks, flame  
 INCOMPATIBILITY  
 HAZARDOUS DECOMPOSITION PRODUCTS: Oxidation may produce carbon and nitrogen oxides.  
 HAZARDOUS POLYMERIZATION: Will not occur.

**11. TOXICOLOGICAL INFORMATION**

CANCER INFORMATION: This product contains no reported carcinogens or suspected carcinogens. This product contains no reportable hazardous ingredients. This Material Safety Data Sheet contains information on industrial practice for safe handling of all industrial chemicals.

TERATOLOGY (BIRTH DEFECT) INFORMATION: This product contains no reported or suspected teratogens.  
 REPRODUCTION INFORMATION:

**12. ECOLOGICAL INFORMATION**

ECOLOGICAL INFORMATION: Uncontrolled release of the product may result in contamination of air, ground, waterways and/or sewers.

**13. DISPOSAL CONSIDERATIONS**

Dispose in accordance with local, state and federal regulations.

**14. TRANSPORT INFORMATION****15. REGULATORY INFORMATION**

HMIS HAZARD INDEX: 4=SEVERE, 3=SERIOUS, 2=MODERATE, 1=SLIGHT, 0=LEAST  
 HEALTH: 2  
 FLAMMABILITY: 3  
 REACTIVITY: 0  
 PERSONAL PROTECTION: I  
 SECTION 313: There are no SARA reportable materials in this product.

		% BY WT
* METHANOL	67-56-1	78
* ORASOL BLACK RLI	CONFIDENTIAL	2

**16. OTHER INFORMATION:**

THE INFORMATION CONTAINED HEREIN IS INFORMATION RECEIVED FROM OUR RAW MATERIAL SUPPLIERS AND OTHER SOURCE BELIEVED TO BE RELIABLE. THIS DATA IS NOT TO BE TAKEN AS A WARRANTY OR REPRESENTATION FROM WHICH GEMINI INDUSTRIES, INC. ASSUMES LEGAL RESPONSIBILITY.