MaterialSafety DataSheet

Section 1. Product Identification and Use

Product Name - Trade Name **500-066 WHITE NGR**

Supplier - Manufacturer

Chemcraft International Inc.,
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P.O. Box 458
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Canada L1A 3Z3

Telephone (905) 885-6388 **Fax** (905) 885-5097

In case of Emergency (905) 885-6388, (800) 263-7951

For Transport Emergency or After Hours

CANUTEC (613) 996-6666

Code	500-066
Synonym	WHITE NGR
Chemical Name	Not applicable.
Chemical Family	Synthetic polymer in organic solvent. (Paint.)
Chemical Formula	Not applicable.
Material Uses	Coatings: Surface coatings and finishes.
Product Identification Number (PIN)	1263 PAINT

Section 2. Hazardous Ingredients

			Exposure limits	
Name	**CAS #**	**% by Weight**	**LC_{50}/LD_{50}**	**TLV/PEL**
Ethyl alcohol	64-17-5	50 - 70	ORAL (LD50): Acute: 7060 mg/kg [Rat.]. VAPOR (LC50): Acute: 8000 mg/l 4 hour/hours [Rat.].	**OSHA (United States).** TWA: 1000 ppm **ACGIH (United States).** TWA: 1000 ppm **NIOSH** TWA: 1000 ppm TWA: 200 ppm STEL: 300 ppm CEIL: 300 ppm **ACGIH (United States, 1993).** TWA: 590 mg/m^3 STEL: 585 mg/m^3 CEIL: 885 mg/m^3
METHYL ETHYL KETONE	78-93-3	15 - 30	ORAL (LD50): Acute: 3400 mg/kg [Rat]. DERMAL (LD50): Acute: 13000 mg/kg [Rabbit].	
Ethyl Acetate	141-78-6	1 - 5	ORAL (LD50): Acute: 5620 mg/kg [Rat]. 4100 mg/kg [Mouse]. 4935 mg/kg [Rabbit]. DERMAL (LD50): Acute: >20 mg/kg [Rabbit].	**ACGIH TLV (United States).** TWA: 400 ppm 8 hour/hours. **ACGIH (United States).** TWA: 400 ppm

Trace impurities and additional material names not listed above may appear in other sections of this MSDS. These materials may be listed for toxicological concerns, local compliance, or other reasons.

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Section 3. Physical Data

Physical State and Appearance	Liquid.
Color	Not available. **Odor** Not available. **Taste** Not available.
Molecular Weight	Not applicable.
pH (1% soln/water)	Neutral.
Boiling Point	The lowest known value is 77°C (170.6°F) (Acetic Acid, Ethyl Ester). Weighted average: 78.74°C (173.7°F)
Melting Point	May start to solidify at -83.6°C (-118.5°F) based on data for: Acetic Acid, Ethyl Ester. Weighted average: -106.95°C (-160.5°F)
Critical Temperature	Not available.
Specific Gravity	Weighted average: 0.81 (Water = 1)
Vapor Pressure	The highest known value is 10.3 kPa (77.5 mm Hg) (at 20°C) (S151400 METHYL ETHYL KETONE). Weighted average: 6.79 kPa (50.93 mm Hg) (at 20°C)
Vapor Density	The highest known value is 3.04 (Air = 1) (Acetic Acid, Ethyl Ester). Weighted average: 1.84 (Air = 1)
Volatility	Not available.
Odor Threshold	The lowest known value is 0.25 ppm (S151400 METHYL ETHYL KETONE) Weighted average: 142.34 ppm
Water/Oil Dist. Coeff.	Not available.
Ionicity (in Water)	Not available.
Dispersion Properties	Partially dispersible in methanol, diethyl ether. See solubility in water, methanol, diethyl ether, acetone.
Solubility	Easily soluble in cold water, hot water, methanol, diethyl ether, acetone.

Section 4. Fire and Explosion Hazard

The Product is:	Flammable.
Fire Hazards in Presence of Various Substances	Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat. Slightly flammable in the presence of the following materials or conditions: oxidizing materials.
Fire Fighting Media and Instructions	SMALL FIRE: Use dry chemical powder. LARGE FIRE: Use alcohol-resistant foam or water spray or fog. Cool containers with water jet in order to prevent pressure build-up, auto-ignition or explosion.
Special Remarks on Fire Hazards	Containers should be grounded. (Ethanol)
Flash Points	The lowest known value is Closed cup: -4°C (24.8°F). (Tagliabue.). Open cup: -9°C (15.8°F). (S151400 METHYL ETHYL KETONE)
Flammable Limits	The greatest known range is Lower: 3.3% Upper: 19% (Ethanol)
Auto-Ignition Temperature	The lowest known value is 422°C (791.6°F) (Ethanol).
Products of Combustion	These products are carbon oxides (CO, CO_2).
Explosion Hazards in Presence of Various Substances	Not available.
Special Remarks on Explosion Hazards	Not available.

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Section 5. Reactivity Data

Stability The product is stable.

Decomposition products Not available.

Conditions of Instability Not available.

Incompatibility with various substances Reactive or incompatible with the following materials: oxidizing materials.
Non-reactive or compatible with the following materials: reducing materials, combustible materials, metals, acids, alkalis and moisture.

Corrosivity Not available.

Special Remarks on Reactivity Not available.

Special Remarks on Corrosivity Not available.

Section 6. Toxicological Properties

Routes of Entry Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals Acute oral toxicity (LD50): 3400 mg/kg [Rat]. (S151400 METHYL ETHYL KETONE).
Acute dermal toxicity (LD50): >20 mg/kg [Rabbit]. (Acetic Acid, Ethyl Ester).
Acute toxicity of the gas (LC50): 45000 mg/m^3 2 hour/hours [Mouse]. (Acetic Acid, Ethyl Ester).
Acute toxicity of the vapor (LC50): 16000 ppm 6 hour/hours [Rat]. (Acetic Acid, Ethyl Ester).

Effects of Acute Exposure Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant). Severe over-exposure can result in death.

Chronic Effects on Humans Hazardous in case of inhalation.
CARCINOGENIC EFFECTS: Classified A4 (Not classifiable for humans or animals.) by ACGIH [Ethanol]. Classified A5 (Not suspected for humans.) by ACGIH, 4 (Probably not for humans.) by IARC, None. by OSHA [S151400 METHYL ETHYL KETONE]. Classified A5 (Not suspected for humans.) by ACGIH, 4 (Probably not for humans.) by IARC [Acetic Acid, Ethyl Ester].
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: PROVEN [Ethanol]
The substance is toxic to the reproductive system.
Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Special Remarks on Toxicity to Animals Not available.

Special Remarks on Chronic Effects on Humans Not available.

Special Remarks on Other Toxic Effects on Humans Moderately toxic and narcotic in high concentrations. Experimentaly tumorigen. (Ethanol)

Exposure Limits Not available.

Section 7. Preventive Measures

Personal Protection Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill Splash goggles. Full suit. Vapor respirator. Boots. Gloves. Self-contained breathing apparatus (SCBA) should be used to avoid inhalation of the product. Suggested protective clothing might not be adequate. Consult a specialist before handling this product.

Engineering Controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

Small Spill Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.

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Large Spill	Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with dry earth, sand or other non-combustible material. Do not allow water to enter container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas. Dike if necessary. Call for assistance on disposal.
Waste Disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Precautions	Keep locked up. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.
Storage	Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
TDG Classification	3
PIN	1263 PAINT **PG:** II
Special Provisions for Transport	-
Federal and State Regulations	New York release reporting list: Acetic Acid, Ethyl Ester Rhode Island RTK hazardous substances: Acetic Acid, Ethyl Ester Pennsylvania RTK: Ethanol; Acetic Acid, Ethyl Ester Florida: Acetic Acid, Ethyl Ester Minnesota: Ethanol; Acetic Acid, Ethyl Ester Massachusetts RTK: Ethanol; Acetic Acid, Ethyl Ester New Jersey: Ethanol; Acetic Acid, Ethyl Ester TSCA 8(b) inventory: Ethanol; Acetic Acid, Ethyl Ester TSCA 5(e) substance consent order: Acetic Acid, Ethyl Ester TSCA 12(b) annual export notification: Acetic Acid, Ethyl Ester SARA 311/312 MSDS distribution - chemical inventory - hazard identification: S151400 METHYL ETHYL KETONE: Fire hazard, Immediate (acute) health hazard; Acetic Acid, Ethyl Ester: Fire hazard, Immediate (acute) health hazard CERCLA: Hazardous substances.: S151400 METHYL ETHYL KETONE; Acetic Acid, Ethyl Ester;
Other Regulations	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
Other Classifications	**WHMIS (Canada)** **Class B-2: Flammable liquid** **Class D-2A: Material causing other toxic effects (Very toxic).** **Class D-2B: Material causing other toxic effects (Toxic).** **HCS (U.S.A.)** Contains material which may cause cancer Highly toxic Target organ effects

Hazardous Material Information System (U.S.A.)	**Health Hazard**	*	3
	Fire Hazard		3
	Reactivity		0
	Personal Protection		G
National Fire Protection Association (U.S.A.)	**Health**		3
	Fire Hazard		3
	Reactivity		0
	Specific Hazard		

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Section 8. First Aid Measures

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

Skin Contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Hazardous Skin Contact Not available.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Hazardous Inhalation Move the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion Do not induce vomiting. Examine the lips and mouth to ascertain if the tissues are damaged, a possible indication that toxic material was ingested. The absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Hazardous Ingestion Not available.

Section 9. Preparation Information

References -Manufacturers Material Safety Data Sheets.

Other Special Considerations Not available.

Related Information This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.

Preparation Information **Validated by A. Davis on 1/3/2006.**

Verified by A. Davis.

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