

MATERIAL SAFETY DATA SHEET

NOBURST AL

MSDS DATE: 5/01/10

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: NOBURST AL

SYNONYMS: None

MANUFACTURER: THE NOBLE COMPANY

ADDRESS: 7300 Enterprise Drive; Spring Lake, MI 49456

EMERGENCY PHONE: (231) 799-8000

OTHER CALLS: (231) 799-8000

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CHEMICAL FAMILY: Antifreeze

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT:</u>	<u>CAS NO.</u>	<u>% WT</u>	<u>SARA 313 REPORTABLE</u>
PROPLYENE GLYCOL	57-55-6	65-75%	NO
2-ETHYLHEXANOIC ACID	149-57-5	<1%	NO
SODIUM HYDROXIDE	1310-73-2	<1%	NO
SODIUM TOLYTRIAZOLE	64665-57-2	<1%	NO
SODIUM NITRATE	7632-00-0	<1%	YES

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Prolonged contact with skin may cause moderate irritation. Harmful if swallowed or if eye contact occurs.

ROUTES OF ENTRY: Eye and skin absorption.

ACUTE HEALTH HAZARDS:

EYES: Will cause irritation upon contact.

SKIN: Prolonged contact with skin can cause irritation. Repeated skin contact may cause persistent irritation and dermatitis.

INGESTION: Gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration may occur during swallowing or vomiting resulting in lung damage.

INHALATION: Irritation of the nose and throat, headache, dizziness, and nausea.

CHRONIC HEALTH HAZARDS: May cause liver disorder or damage.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Pre-existing eye or skin conditions may be aggravated by over-exposure to this product.

CARCINOGENICITY

OSHA:
NO

ACGIH:
No data

NTP:
NO

IARC:
NO

OTHER:
No data

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. Seek medical attention if irritation persists.

SKIN: Wash area with soap and water until all traces of material are removed. Remove and clean contaminated clothing. Seek medical attention if irritation persists or contact has been prolonged.

INGESTION: Do not induce vomiting. If person is conscious and can swallow, give one glass of water (8 oz). Seek medical attention.

INHALATION: If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Seek medical attention if breathing becomes difficult or respiratory irritation persists.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Aspiration of this product during induced emesis may result in severe lung injury. If evacuation of stomach is necessary use method least likely to cause aspiration such as gastric lavage after endotracheal intubation.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, (% BY VOLUME) UPPER: Not determined LOWER: Not determined

FLASH POINT: AP 225° F (PMCC)

AUTOIGNITION TEMPERATURE: Not determined

EXTINGUISHING MEDIA: Carbon Dioxide (CO²), Dry chemical, Foam.

SPECIAL FIRE FIGHTING PROCEDURES: Containers can build up pressure if exposed to fire. Containers should be cooled with water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: May liberate carbon monoxide, carbon dioxide, or oxides of nitrogen.

SECTION 5 NOTES: Self-contained breathing apparatus with full face piece operated in positive pressure mode should be used.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL/LEAK PROCEDURES: Notify safety personnel, evacuate all unnecessary personnel and provide adequate ventilation. If feasible and without risk, clean-up personnel should stop leak. All clean-up personnel should wear proper personal protective equipment.

SMALL SPILL: Clean with inert absorbant and place in recovery drums for disposal.

LARGE SPILL: Dike to prevent further migration of material. DO NOT release into waterways or sewers. Follow applicable federal and state regulations. (20CFR1910.120)

SECTION 7: HANDLING AND STORAGE

STORAGE REQUIREMENTS: Keep container closed when not in use. Avoid storing next to strong acids. Store in clean, dry locations away from excessive heat.

HANDLING PRECAUTIONS: Wash thoroughly after handling. Do not get into eyes, on skin, or on clothing.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Eye wash station and safety shower.

VENTILATION : General ventilation. Material non-volatile.

RESPIRATORY PROTECTION: None required except in emergency situations.

EYE PROTECTION: Chemical splash goggles with indirect or no ventilation.

SKIN PROTECTION: Chemical resistant gloves such as nitrile.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None

WORK HYGIENIC PRACTICES: Never eat, drink, or smoke in work areas.

EXPOSURE GUIDELINES: None established for product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Orange color

ODOR: No odor

PHYSICAL STATE: Liquid

pH AS SUPPLIED: 8.3

BOILING POINT: greater than 227° F

FREEZING POINT: greater than -100° F

EVAPORATION RATE: not determined.

SOLUBILITY IN WATER: Soluble

PERCENT VOLATILE: Not determined.

VOLATILE ORGANIC COMPOUNDS (VOC): Not determined.

VISCOSITY: Not determined.

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Material is stable under normal storage conditions.

CONDITIONS TO AVOID (STABILITY): Excessive heat and open flame.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing and reducing agents, acids, and organic material.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: May liberate carbon monoxide, carbon dioxide, or oxides of nitrogen.

HAZARDOUS POLYMERIZATION: Hazardous polymerization cannot occur under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: No data.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No data.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: As a waste, this product in its raw form DOES NOT MEET the criteria of a hazardous waste as defined by RCRA (40CFR361). It is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. As a waste, this product can be treated to meet local sanitary district standards. Dispose of in accordance with all applicable state, federal, and local regulations.

SECTION 14: TRANSPORT INFORMATION

DOT/ DOMESTIC: Not regulated

EXPORT: Not regulated

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

OSHA: Considered hazardous material as defined by 29CFR1910.1200

SARA TITLE III :

311/312 HAZARD CATEGORIES: If stored in excess of the threshold quantities, this product should be reported as a(n):
*IMMEDIATE (acute) HEALTH HAZARD

313 REPORTABLE INGREDIENTS: Sodium Nitrate

STATE REGULATIONS:

California Proposition 65: This product does not contain ingredients which are on the current Proposition 65 list.

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: This document is generated for the purpose of distributing health, safety, and environmental data. It is not a specification sheet nor should any displayed data be construed as a specification.

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