

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATIONNAME: **HIGH LIQUID NITROGEN 32-0-0**
FERTILIZER SOLUTIONPRODUCT CODE: **5064**DISTRIBUTED BY: Superco Specialty Products, 25041 Anza Dr., Valencia, CA 91355
(661)775-8877 FAX: (661)775-8884**II. COMPOSITION / INFORMATION ON INGREDIENTS**

MATERIAL	CAS#	OSHA PEL	ACGIH TLV	OTHER	%(optional)
*Ammonium Nitrate	(6484-52-2)	N/E	N/E	N/A	7.89
Urea	(57-13-6)	N/E	N/E	N/A	16.22

*This chemical is subject to the reporting requirements of SARA Section 313 Toxic Chemical.

III. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

HEALTH: Harmful if swallowed. Avoid contact with skin or eyes open cuts or sores.

ENVIRONMENTAL: Do not allow material to enter storm drains or sewers.

POTENTIAL HEALTH EFFECTS

PRIMARY ROUTE(S) OF ENTRY - Oral, Ingestion, skin and eye contact.

EYES - May be irritating. SKIN - May cause skin irritation, redness and burning. INGESTION - Harmful if swallowed

INHALATION - High concentrations of mist may cause irritation to nose and throat.

IV. FIRST AID MEASURES

EYES: - Flush with water for 10-15 minutes. Contact a physician if irritation persists.

SKIN:- Remove contaminated clothing. Wash skin with soap and water. Contact a physician if irritation persists.

INGESTION: - Contact a physician or Poison Control Center immediately. Induce vomiting if victim is conscious and alert or as directed by a physician. Do not give anything by mouth to an unconscious person.

INHALATION: - Remove affected person to fresh air. Apply artificial respiration if indicated.

NOTE TO PHYSICIAN: - This product contains nitrates which in large doses can cause significant vasodilatation and hypertension. Pre existing ischemic heart disease may be aggravated by these effects in large ingestion, nitrates can cause methemoglobinemia. Methemoglobinemia should be suspected if cyanosis occurs. Methylene blue (1-2 mg/kg I.V. over several minutes) is an effective antidote for symptomatic methemoglobinemia.

V. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: FLASH POINT: Noncombustible aqueous solution FLAMMABLE LIMITS: N/E

EXTINGUISHING MEDIA -Use that which is appropriate for surrounding fire.

FIRE FIGHTING INSTRUCTIONS - Use appropriate protective equipment. Cool fire-with water mist to exposed areas and equipment. Please note that this product contains urea and ammonium nitrate salts. Nitrate salts can support combustion under certain conditions. Ammonium nitrate is capable of detonation if heated under confinement or if subjected to strong shocks. Organic or other easily oxidizable matter can sensitize it to a more readily explodable state. Urea nitrate is capable of detonation. Do not allow product to evaporate to dryness.

VI. ACCIDENTAL RELEASE MEASURES

Soak up with an absorbent material such as sand sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

VII. HANDLING AND STORAGE

HANDLING PRECAUTIONS: Avoid breathing vapors or spray mist. Avoid contact with skin and eyes. Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Use good personal hygiene practice. The use of any respiratory equipment is advised when concentrations exceed any established exposure limits.

STORAGE PRECAUTIONS: Use and store this material in cool, dry, well ventilated areas. Keep container closed when not in use. Store only in approved containers. Keep away from any incompatible materials. Protect containers from physical damage. Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D- 4276. Note: Protect against extremes in temperature. Heating above 140 degrees F. will promote urea hydrolysis; extreme cold (<32 degrees F) may cause crystallization of the product.

WORK/HYGIENIC PRACTICES: Wash hands, arms and face with soap and water after handling and before eating or smoking. Wash contaminated clothing with soap and hot water before reuse.

VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE/ FACE PROTECTION: Safety Glasses or Goggles should be used where splashing may occur and when transferring liquid.

SKIN PROTECTION: Rubber or impervious gloves.

RESPIRATORY PROTECTION: None required under normal conditions.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear colorless to pale yellow liquid ODOR: Odorless

BASIC PHYSICAL PROPERTIES

VAPOR PRESSURE: N/A VAPOR DENSITY: >1 (Air=1) SPECIFIC GRAVITY: 1.327 LBS / GAL: 11.05

EVAPORATION RATE: <0.1 (-Butyl Acetate=1) SOLUBILITY: 100% in Water

X. STABILITY AND REACTIVITY

STABILITY: Stable CONDITIONS TO AVOID (STABILITY): None HAZARDOUS POLYMERIZATION: Will Not Occur

INCOMPATIBLE MATERIALS: Contact with alkaline materials may liberate ammonia. Avoid contact with combustible, organic, or other readily oxidizable materials. Avoid contact with chlorates or other strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: If involved in a fire, oxides of carbon and nitrogen may be generated. Exposure to heat may liberate ammonia fumes.

XI. TOXICOLOGICAL INFORMATION

EYE EFFECTS: May be irritating
SKIN EFFECTS: Normally not irritating.
ACUTE ORAL EFFECTS: May cause irritation of the digestive tract, nausea, vomiting, abdominal pain and diarrhea. Ingestion of large amounts of ammonium nitrate may cause methemoglobinemia, particularly in children under one year of age.
ACUTE INHALATION EFFECTS: Inhalation may cause irritation to mucous membranes, coughing, or difficulty breathing.
CHRONIC (CANCER INFORMATION): CARCINOGENICITY: NTP: No IARC: No OSHA: No

XII. ECOLOGICAL INFORMATION

A large release of this product could kill vegetation or cause illness in animals. Contamination of waterways could possibly cause fishkills.

XIII. DISPOSAL CONSIDERATIONS

If uncontaminated, recover, and reuse as product. If contaminated with other materials. the nature and extent of contamination may require use of specialized disposal methods. Consult your local agencies for proper procedures.

XIV. TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Fertilizer compound, liquid NMFC: 68140 Sub 6 LTL CLASS: 70
HAZARD CLASS: None DOT IDENTIFICATION NUMBER: None DOT SHIPPING LABEL: None RQ: None
NOTE: This product is not DOT regulated.

XV. REGULATORY INFORMATION

SARA TITLE III NOTIFICATIONS AND INFORMATION: This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372:

CAS NUMBER	INGREDIENT	PERCENT BY WEIGHT
6484-52-2	Ammonium Nitrate	7.89

CALIFORNIA PROP 65: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

XVI. OTHER INFORMATION

HMIS Ratings: Health - 2 Moderate Fire - 0 Least Reactivity - 1 Slight Personal Protection -B

XVII. APPENDIX

MATERIAL SAFETY DATA SHEET PREPARED BY: REGULATORY DEPARTMENT
DATE PREPARED: OCTOBER 14, 1996 SUPERSEDES: APRIL 10, 1990
EMERGENCY PHONE NUMBER: 661-775-8877

ABBREVIATIONS
N/E Not Established
N/A Not Available