

MATERIAL SAFETY DATA SHEET

SECTION 1 - MANUFACTURER INFORMATION

MANUF / DIST: DETAILS MANUFACTURING & DISTRIBUTING
814 SOUTH DUFF AVE
AMES, IOWA 50010

PREPARER/CONTACT: LUKE STAGG

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MEDICAL/CHEMICAL EMERGENCY 24 HOURS INFOTRAC 800-535-5053

TRADE NAME / SYNONYMS. . . : BLUE SKIES RTU

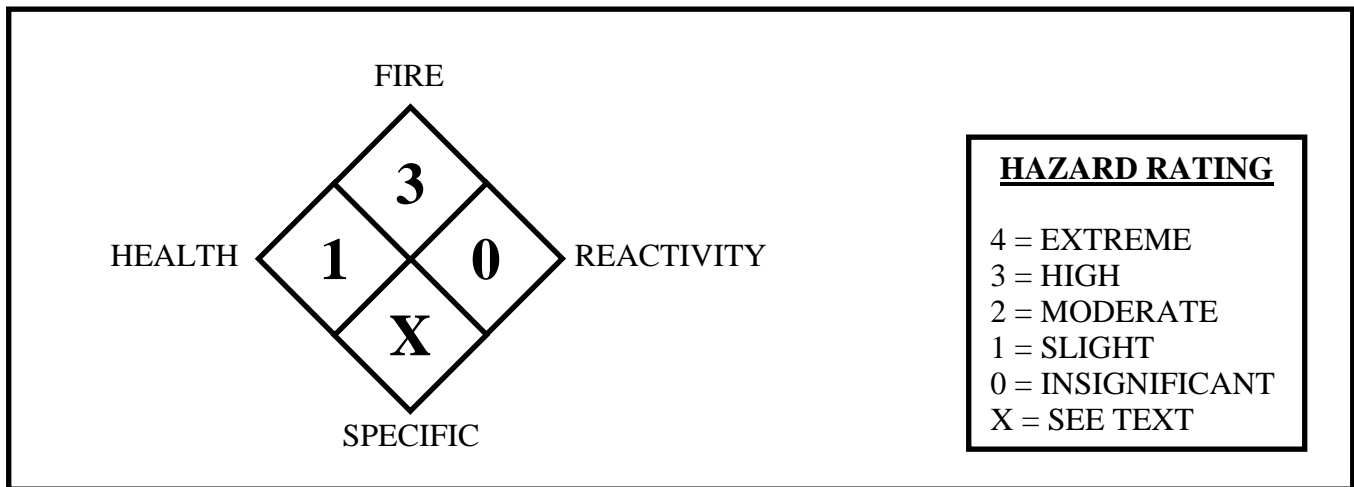
CHEMICAL NAME / SYNONYMS: NOT APPLICABLE

CHEMICAL FAMILY. : NOT APPLICABLE

FORMULA. : Proprietary

PRODUCT CODE. : BSR1,5,15

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM:



SECTION 2 - HAZARDOUS INGREDIENTS

NAMES OF HAZARDOUS INGREDIENTS: See CFR29§1910.1200 (i)-(13)

CHEMICAL / COMMON NAME	CAS#	PERCENTAGE	PEL-OSHA	TLV-ACGIH
2 Butoxy Ethanol (Skin)	111-76-2	<1	50PPM	25PPM
Isopropyl Alcohol	67-63-0	<1	400PPM	400PPM
Ammonia	7664-41-7	<0.5	50PPM	25PPM

THIS PRODUCT DOES **NOT** CONTAIN CARCINOGENS: (NTP, IARC, OSHA):
HEALTH EFFECTS (ACUTE AND CHRONIC):

Acute:

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- a) Eyes -Intense pain with tissue destruction.
- b) Skin - Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.
- c) Inhalation - Breathing of dust or mist can cause mild to severe irritation of nasal or respiratory passage.
- d) Ingestion - Can cause gastro-intestinal irritation, nausea, vomiting and diarrhea.

Chronic

- a) Inhalation may increase susceptibility to respiratory illness.
- b) Overexposure to glycol ethers (in it's pure state) has been found to cause anemia, liver abnormalities, kidney damage, lung damage and blood abnormalities in laboratory animals.

PRIMARY ROUTES OF ENTRY:

- a) Skin
- b) Inhalation

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to product.

EMERGENCY FIRST AID PROCEDURES:

- a) Skin - Immediately flush skin with lots of running water for at least 30 minutes. Remove contaminated clothing and shoes. Wash before reuse.
- b) Eyes - In case of contact, immediately flush with plenty of water. If irritation persists, seek medical aid.
- c) Inhalation - If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.
- d) Ingestion - Immediately drink 2 glasses of water and induce vomiting by either giving IPECAC syrup or by placing fingers at the back of throat. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SECTION 4 - CHEMICAL DATA

BOILING POINT (F) : >82.4°C
VAPOR PRESSURE (mmHg) : < 30
VAPOR DENSITY (AIR=1) : < 2
SOLUBILITY IN WATER: 100%.

SPECIFIC GRAVITY (WATER=1) : 0.815
PERCENT VOLATILE BY VOLUME (%) . . . : 100
EVAPORATION RATE (WATER=1) : < 1

APPEARANCE AND ODOR INFORMATION: Blue liquid with alcoholic odor.

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SECTION 5 - FIRE + PHYSICAL HAZARD DATA

FLASH POINT 59°F (IPA Component) FLAMMABLE LIMITS: LEL= N/A UEL= N/A
EXTINGUISHING MEDIA: Not considered a fire hazard in mixed formulation.

SPECIAL FIRE FIGHTING PROCEDURES: None.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

INCOMPATIBILITY (Material To Avoid): Material that reacts with water.

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition of burning may produce oxides of carbon.

THIS PRODUCT IS STABLE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Absorb the large spill on suitable absorbant. Wash the residue down the drain or pit with plenty of water. Small spills can be flushed down the drain with plenty of water.

WASTE DISPOSAL METHODS:

Dispose of according to local, state and federal regulations for biodegradable detergents.

SECTION 7 - EXPOSURE CONTROL INFORMATION

VENTILATION:

LOCAL EXHAUST: Below TLV(s)

MECHANICAL (General) : Explosion Proof

SPECIAL: N/A

OTHER: N/A

RESPIRATORY PROTECTION:

An appropriate NIOSH approved hydrocarbon canister or respirator for organic vapor should be worn if needed.

PROTECTIVE GLOVES:

Wear - resistant gloves such as nitrile rubber, PVC, etc.

OTHER PROTECTIVE EQUIPMENT:

Eye wash and quick drench facilities.

OTHER ENGINEERING CONTROLS: None Known

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WORK PRACTICES:

Eye wash fountain and safety shower should be easily accessible. Discard properly such items as rags and trash soaked with the product. Provide adequate ventilation.

HYGIENIC PRACTICES:

Avoid contact with eyes, skin and clothing. Avoid inhalation of product vapors. Wash thoroughly after handling and before eating, drinking or smoking. Remove contaminated clothing promptly and wash thoroughly before reused.

SECTION 8 - SPECIAL PRECAUTION

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

- a) Do not store under freezing conditions or above 120 degrees F.
- b) Protect from physical damage and keep tightly closed.
- c) Do not store near acids or acidic materials and oxidizers.
- d) Keep away from heat, sparks and open flames.
- e) Containers should be marked UN 1219 FLAMMABLE

MAINTENANCE PRECAUTIONS:

When working with FLAMMABLE material electrically ground all equipment and use only non-sparking tools.

OTHER PRECAUTIONS:

- a) Containers, even those that have been emptied will retain product residue and vapors. Always obey hazard warnings.
- b) Always ground metal containers while pouring.

SHIPPING INFO, UN/NA #'s, SECONDARY LABEL INFO NECESSARY OR SUGGESTED:

ISOPROPYL ALCOHOL MIXTURE, 3, UN1219, PG II, FLAMMABLE LIQUID

KEEP OUT OF THE REACH OF CHILDREN!