

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - MANUFACTURER INFORMATION

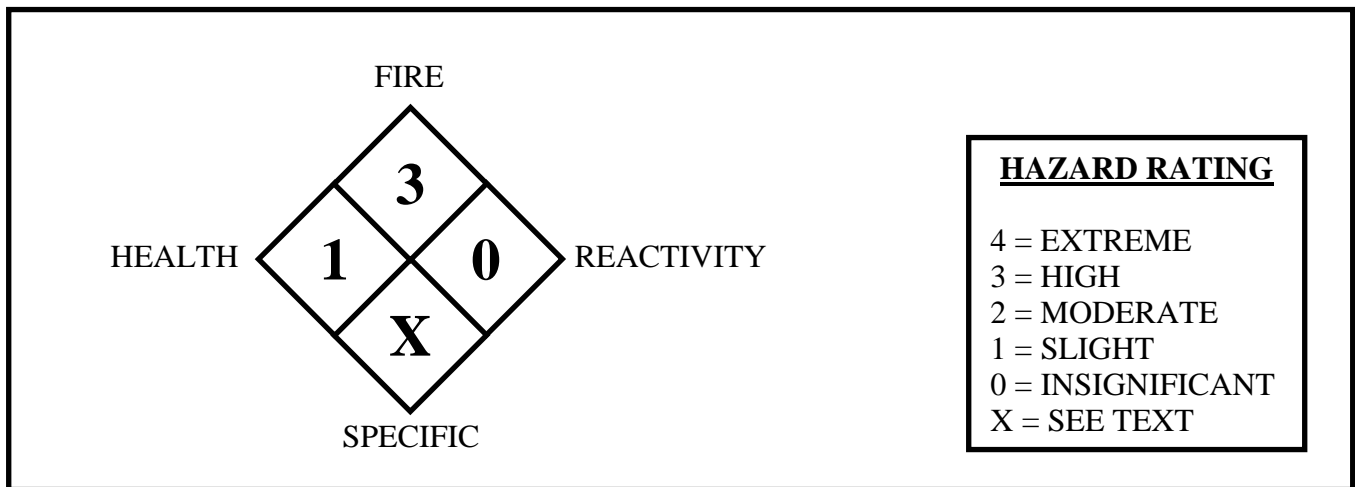
MANUF / DIST: DETAILS MANUFACTURING & DISTRIBUTING  
814 SOUTH DUFF AVE  
AMES, IOWA 50010

PREPARER/CONTACT: LUKE STAGG  
PHONE: 515-233-6555

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

TRADE NAME / SYNONYMS. . . : ANTI RAIN  
CHEMICAL NAME / SYNONYMS: NOT APPLICABLE  
CHEMICAL FAMILY. . . . . : NOT APPLICABLE  
FORMULA. . . . . : Proprietary  
PRODUCT CODE. . . . . : AR,QT,1

## 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
Isopropyl Alcohol	67-63-0	<1	400PPM	400PPM

**THIS PRODUCT HAS NO CARCINOGENS (NTP, OSHA, IARC)**

# MATERIAL SAFETY DATA SHEET

## SECTION 3 - HEALTH HAZARD DATA

### HEALTH EFFECTS (Acute and Chronic):

#### \*Acute\*:

- 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

### 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 - Flush immediately with large quantities of running water for at least 15 minutes. 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 - Do not induce vomiting. Call physician immediately. If conscious give lots of water or milk. Do not give anything by mouth to an unconscious or convulsing person.

## SECTION 4 - CHEMICAL DATA

BOILING POINT (F) . . . . . : >82.4 C	SPECIFIC GRAVITY (WATER=1) . . . . . : .815
VAPOR PRESSURE (mmHg) : < 30	PERCENT VOLATILE BY VOLUME (%) . . : 100
VAPOR DENSITY (AIR=1) : <2	EVAPORATION RATE (WATER=1) . . . . . : < 1
SOLUBILITY IN WATER: 100%.	

APPEARANCE AND ODOR INFORMATION: Thin liquid with alcoholic odor.

# MATERIAL SAFETY DATA SHEET

## SECTION 5 - 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

## SECTION 6 - SPILL OR LEAK PROCEDURES

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..

# MATERIAL SAFETY DATA SHEET

## OTHER PROTECTIVE EQUIPMENT:

Eye wash and quick drench facilities.

OTHER ENGINEERING CONTROLS: None Known

## 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 UN1219 FLAMMABLE

### MAINTENANCE PRECAUTIONS:

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

### OTHER PRECAUTIONS:

Containers, even those that have been emptied will retain product residue and vapors. Always obey hazard warnings.

Always ground metal containers while pouring.

SHIPPING INFO, UN/NA #'s, Secondary container label INFO NECESSARY OR SUGGESTED:

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

**KEEP OUT OF THE REACH OF CHILDREN!**

**DETAILS MANUFACTURING & DISTRIBUTING**

**Page 4 of 4**