

**MATERIAL SAFETY DATA SHEET**

ISOPROPYL ALCOHOL

Latest Revision Date...09/07/06

Print Date.....02/22/07

**SECTION 1**

MANUFACTURER INFORMATION

HYDRO-ZONE, INC.  
17800 Telegraph Road  
Romulus, Michigan 48174  
Ph. (734) 247-4488

FOR CHEMICAL EMERGENCY  
CALL INFOTRAC @ 1-800-535-5053  
24 HRS/DAY, 7 DAYS/WEEK

**SECTION 2**

PRODUCT IDENTIFICATION

PRODUCT NUMBER..... HZ I140  
TRADE NAME OR CHEMICAL NAME... ISOPROPYL ALCOHOL  
SYNONYMS..... IPA, Isopropanol, 2-Propanol  
CHEMICAL FAMILY..... Alcohol  
NFPA - HEALTH HAZARD..... 2  
FIRE HAZARD..... 3  
REACTIVITY HAZARD..... 0  
NFPA SCALE..... 4=Extreme 3=High 2=Moderate 1=Slight 0=Insignificant  
KEY..... NA= Not Applicable ND= Not Determined

**SECTION 3**

HAZARDOUS INGREDIENTS

CHEMICAL NAME(S)	CAS NUMBER	% WT	TLV-TWA	PEL	SEC.313	CARCINOGEN?
Isopropyl Alcohol	67-63-0	100	400 ppm	400 ppm	No	No

**SECTION 4**

SHIPPING DATA

D.O.T. PROPER SHIPPING NAME... Flammable Liquid, N.O.S.  
D.O.T. HAZARD CLASS..... Flammable Liquid Class 3  
D.O.T. LABELS REQUIRED..... Flammable Diamond  
UN/NA I.D. NUMBER..... UN 1993  
PACKAGING GROUP..... II  
NON-BULK SHIPPING NAME..... Flammable Liquid, N.O.S. (Isopropyl Alcohol), 3, UN 1993, PG II  
BULK SHIPPING NAME..... Same

**SECTION 5**

PHYSICAL DATA

BOILING/FREEZING POINT @760 mmHg... 180°F (82°C) / -127°F (-88°C)  
pH..... NA  
VAPOR PRESSURE mm Hg @20° C..... 32 mm Hg  
VAPOR DENSITY (Air = 1)..... 2.1  
PERCENT VOLATILE BY WEIGHT (%)..... 100  
SPECIFIC GRAVITY @20°C..... 0.79  
SOLUBILITY IN WATER..... Complete  
EVAPORATION RATE..... (N-Butyl Alcohol=1) 1.4  
APPEARANCE AND ODOR..... Colorless liquid with mild odor.

**SECTION 6**

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Test Method)..... 53°F (12°C) T.C.C.  
AUTOIGNITION TEMPERATURE..... ND  
FLAMMABILITY LIMITS IN AIR (% V)... Lower: 2 Upper: 12

# ISOPROPYL ALCOHOL

## SECTION 6

### FIRE AND EXPLOSION HAZARD DATA

CONT'D

EXTINGUISHING MEDIA..... Alcohol foam, water fog, dry chemical or CO2.  
SPECIAL FIRE FIGHTING PROCEDURES... Follow normal fire fighting procedures for flammable liquid.  
UNUSUAL FIRE & EXPLOSION HAZARDS... Cool containers exposed to heat or fire to prevent pressure build up and container rupture.

## SECTION 7

### REACTIVITY DATA

PRODUCT STABILITY..... Stable  
Conditions to Avoid..... Avoid heat, sparks, flame and contact with strong oxidizing agents. Do not store in aluminum container.  
CHEMICAL INCOMPATIBILITY..... Strong Oxidizers  
HAZARDOUS DECOMPOSITION PRODUCTS... Carbon monoxide and unidentified organic compounds may be formed during combustion.  
HAZARDOUS POLYMERIZATION..... Will Not Occur

## SECTION 8

### HEALTH HAZARD DATA

SKIN CONTACT... May cause moderate irritation, defatting, dermatitis.  
EYE CONTACT... Moderately irritating, may cause redness, tearing, blurred vision.  
INHALATION.... May cause nasal and respiratory tract irritation and can result in central nervous system depression.  
INGESTION..... May cause gastrointestinal irritation, nausea, vomiting, low blood pressure, rapid heart rate and liver damage.

## SECTION 9

### EMERGENCY AND FIRST AID PROCEDURES

SKIN.....Remove contaminated clothing and flush exposed skin with soap and water. If irritation persists or develops, get medical attention. Launder contaminated clothing before reuse.  
EYES.....Immediately flush eyes with large amounts of water for 15 minutes and get medical attention.  
INGESTION...If swallowed, IMMEDIATELY contact a poison control center or physician.  
INHALATION...Move to fresh air. Aid in breathing, if necessary, and get medical attention.

## SECTION 10

### ENVIRONMENTAL DATA

SPILL OR LEAK PROCEDURES... Eliminate ignition sources. Keep upwind. Absorb with sand or inert material and place in suitable container for disposal.  
WASTE DISPOSAL METHOD..... Ignitable. Dispose of in accordance with all federal, state and local regulations.  
HAZARDOUS WASTE 40CFR261... Yes. Hazardous Waste Number: D001  
CONTAINER DISPOSAL..... Empty containers may contain residuals. Thoroughly clean, then offer for recycling, reuse, or disposal in accordance with governmental regulations.

## SECTION 11

### SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION.....Respirator not required with most applications.  
VENTILATION.....Local exhaust is generally sufficient to minimize exposure.  
PROTECTIVE CLOTHING.....Neoprene gloves, apron, boots - as necessary to prevent skin contact.  
EYE PROTECTION.....Chemical goggles.  
OTHER PRECAUTIONS.....Safety shower and eyewash fountains should be easily accessible.

## SECTION 12

### SUPPLIER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of manufacturer. The data on this sheet relates only to the specific material designated herein. Manufacturer assumes no legal responsibility for use or reliance upon this data.