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HAZARD RATING

4 = Extreme

3 = High

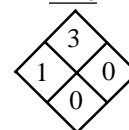
2 = Moderate

1 = Non-Toxic, Slight

0 = Insignificant

Fire

Toxicity



Reactivity

Special

FOR CHEMICAL EMERGENCY call INFOTRAC at 1-800-535-5053

24 Hrs. per day, 7 days per week

MATERIAL SAFETY DATA SHEET

MATERIAL GlobalTech®
Isopropyl Alcohol, 70%

CODE

KEY

IPA/DI

HAZARD CLASS

Flammable Liquid

FORMULA

NA

DATE ISSUED

4/1/01

CHEMICAL NAME OR SYNONYMS

2-Propanol

I - APPROXIMATE COMPOSITIONAL INFORMATION

USP Isopropyl Alcohol
USP Water DI

APPROX. WEIGHT %

70

30

TWA/TLV

400 ppm TWA

NE

II - PHYSICAL PROPERTY INFORMATION

APPEARANCE; ODOR; pH

Water Clear Liquid

pH=7

VISCOSITY

NA

MELTING/FREEZING POINT

-88.5° C F.P.

BOILING POINT

179°F (82°C)

VAPOR DENSITY (Air = 1)

2.0

SOLUBILITY IN WATER

Complete

% VOLATILE (By Weight)

100%

VAPOR PRESSURE (mm Hg)

33

SPECIFIC GRAVITY (Water = 1)

0.88

EVAPORATION RATE (Butyl Acetate = 1)

2.88

III - FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT

64°F (18° C, TCC)

AUTO IGNITION TEMP

Will Not Occur

LOWER EXPLOSION LIMIT %

NA

UPPER EXPLOSION LIMIT %

NA

EXTINGUISHING MEDIA

☒ Foam ☐ "Alcohol" Foam ☒ CO₂ ☒ Dry Chemical ☒ Water Spray ☐ Other

SPECIAL FIRE FIGHTING PROCEDURES

Use water spray to cool containers and to prevent flammable vapor from escaping.

Water may be ineffective on direct flame, but can be used to flush spills from ignition or disperse vapor

UNUSUAL FIRE AND EXPLOSION HAZARDS

Liquid is invisible and flammable, vapors may travel in low areas to ignition source

IV - HEALTH HAZARD INFORMATION

RECOMMENDED WORKPLACE EXPOSURE LIMITS

500 ppm STEL OSHA & ACGIH

EFFECTS OF OVEREXPOSURE

Inhalation: May cause mild irritation to nose, throat or above TLV-headache

Eye Contact: Slight to moderate irritation, may cause corneal injury

Skin Contact: Prolonged contact results in skin drying

Ingestion: May cause vomiting, diarrhea, drowsiness, cramps

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Move subject to fresh air, give artificial respiration if breathing has stopped

Eye or Skin Contact: Flush with large amount of water. Contact Physician. Remove contaminated clothing and wash before reuse

Ingestion: If patient is conscious give two glasses of water/milk and induce vomiting. Get medical attention

V - REACTIVITY INFORMATION

STABILITY

☒ Stable ☐ Unstable

CONDITIONS TO AVOID

Keep away from ignition sources: sparks, heat and flame

HAZARDOUS DECOMPOSITION PRODUCTS

Will Not Occur

HAZARDOUS POLYMERIZATION

☐ May Occur ☒ Will Not Occur

CONDITIONS TO AVOID

INCOMPATIBILITY (Materials To Avoid)

☐ Water ☒ Other

Concentrated Nitric & Sulfuric acids, Oxidizers, Aldehydes, Halogens, Halogen Compounds

VI - SPILL OR LEAK PROCEDURE INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Eliminate ignition sources. Ground handling equipment to prevent sparking. Wear respirator and protective clothing. Dike and contain spill. Suppress vapors with water fog. Soak up residue with absorbent clay or sand. Place in non-leaking containers for disposal

WASTE DISPOSAL METHODS

Incinerate waste in accordance with Federal, State, and Local regulations

VII - SPECIAL PROTECTION INFORMATION

VENTILATION TYPE

Use local exhaust ventilation to prevent build-up of explosive vapor concentrations and keep below TLV - also see section IV

RESPIRATORY PROTECTION

None required during normal use with adequate ventilation

PROTECTIVE GLOVES

Natural Rubber

EYE PROTECTION

Safety Glasses

OTHER PROTECTIVE EQUIPMENT

Eye Bath, Safety Shower

VIII - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE

Ambient

INDOOR

Ambient

HEATED

NA

REFRIGERATED

NA

OUTDOOR

Ambient

Drum containers should be grounded. Keep containers closed when not in use. Avoid eye and skin contact. Keep away from children. Keep away from heat and flame. Use with adequate ventilation. Wash with soap and water after use

IX - TOXICITY INFORMATION

SARA Title III:

Acute Health:	Yes	Sudden release of pressure:	No
Chronic Health:	No	Reportable quantity (RQ):	NE
Fire:	Yes	313 Toxic Chemical:	Yes

X - MISCELLANEOUS INFORMATION

Isopropanol - 3, UN1219, PG II

NA = Not Available
NE = Non Established

KEY
IPA/DI

DATE OF ISSUE
4/1/01

SUPERSEDES
7/14/00

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