

INDIUM CORP OF AMERICA -- #5R LIQUID FLUX -- 3439-00-220-3827

===== Product Identification =====

Product ID:#5R LIQUID FLUX

MSDS Date:07/10/1990

FSC:3439

NIIN:00-220-3827

MSDS Number: BRNJV

=== Responsible Party ===

Company Name:INDIUM CORP OF AMERICA

Address:1676-80 LINCOLN AVE

City:UTICA

State:NY

ZIP:13502

Country:US

Info Phone Num:315-768-6400

Emergency Phone Num:315-768-6400

Preparer's Name:GREG EVANS

CAGE:74858

=== Contractor Identification ===

Company Na

me:INDIUM CORP OF AMERICA

Address:1676-80 LINCOLN AVE

Box:City:UTICA

State:NY

ZIP:13502

Country:US

Phone:315-768-6400

CAGE:74858

===== Composition/Information on Ingredients =====

Ingred Name:ISOPROPYL ALCOHOL (SARA III)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: 60-75%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:400 PPM/500 STEL

ACGIH TLV:400 PPM/500STEL;9293

Ingred Name:MODIFIED GUM ROSIN

Fraction by Wt: 30-40%

Other REC Limits:NONE RECOMMENDED

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azards Identification =====

LD50 LC50 Mixture:TLV PROPANOL=400PPM

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHAL:PROLONGED OVEREXPOSURE MAY CAUSE
COUGHING,INTOXICATION.EYES:MODERATE IRRITATION.SKIN:NO ADVERSE
EFFECTS EXPECTED.INGEST:POSSIBLE HEALTH HAZARD(MFR. NOT SPECIFIC).

Effects of Overexposure:INHAL:COUGHING,SHORTNESS OF
BREATH,COUGHING,DIZZINESS.EYES:BURNING,TE
ARING,REDNESS,SWELLING.

Medical Cond Aggravated by Exposure:ANY EXISTING CONDITIONS MAY BE
AGGRIVATED.

===== First Aid Measures =====

First Aid:INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL
RESPIRATION IF NEEDED.GET PROMPT QUALIFIED MEDICAL
ATTENTION.EYE:RINSE WITH CLEAN WATER FOR 20-30 MINUTES,WHILE
LIFTING LIDS.CALL PHYSICIAN.SKIN:REM OVE CONTAMINATED CLOTHING;WASH
WITH SOAPAND WATER;FLUSH WITH LUKEWARM WATER.IF STICKY,USE
W

ATERLESS CLEANER FIRST.INGEST:GIVE 1 PT LUKEWARM WATER(IF
CONSCIOUS).DO NOT INDUCE VOMITING.GET MEDICAL HELP

===== Fire Fighting Measures =====

Flash Point Method:COC

Flash Point:53.0F,11.7C

Autoignition Temp:Autoignition Temp Text:750F

Lower Limits:2

Upper Limits:12

Extinguishing Media:FOAM,DRY CHEMICAL,CARBON DIOXIDE.

Fire Fighting Procedures:USE PROTECTIVE EQUIPMENT.FIGHT FIRE FROM SAFE
DISTANCE.WATER MAY BE INEFFECTIVE(LOW FLASHPOINT).USE A
SEL

F-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:CONTAINERS MAY RUPTURE FROM HEAT.VAPORS
ARE RELEASED AT AMBIENT TEMPERATURES WHICH TRAVEL ALONG THE GROUND
AND CAN FLASHBACK OR EXPLODE.

===== Accidental Release Measures =====

Spill Release Procedures:EVACUATE AREA.REMOVE SOURCES OF IGNITION.STOP
RELEASE.PREVENT RUNOFF INTO WATERWAYS.NOTIFY FIRE AND ENVIRONMENTAL
AUTHORITIES.

Neutralizing Agent:NONE

===== Handling and S

torage =====

Handling and Storage Precautions:STORE TIGHTLY CLOSED,VENTED
CONTAINERS,AWAY FROM HEAT,SPARKS AND FLAME,STRONG OXIDIZERS.USE
NON-SPARKING TOOLS.INCOMAPATIBLE WITH PLASTIC,AL,RUBBER.

Other Precautions:GROUND CONTAINERS WHEN TRANSFERRING LIQUID.EMPTY
CONTAINERS MAY CONTAIN EXPLOSIVE RESIDUE.CHECK ATMOSPHERE FOR
OXYGEN DEFICIENCY AND EXPLOSIVITY WHEN ENTERING CONFINED
SPACES(EG.TANK).

===== Exposure Controls/Personal Protection =====
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Respiratory Protection:NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR.

Ventilation:LOCAL AND/OR MECHANICAL EXHAUST ...AS NEEDED.

Protective Gloves:CHEMICALLY RESISTANT

Eye Protection:FACE SHIELD

Other Protective Equipment:APRON

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET
CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK
AREA.

Supplemental Safety and Health
PREVENT EYE CONTACT.

===== Physical/Chemical Properties =====
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HCC:F2

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:180F,82C

Melt/Freeze Pt:M.P/F.P Text:LIQUID @RT

Vapor Pres:33@20C

Vapor Density:2.1

Spec Gravity: