

INDIUM CORP OF AMERICA -- #5R LIQUID FLUX -- 3439-01-045-7940

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

Product ID:#5R LIQUID FLUX

MSDS Date:07/10/1990

FSC:3439

NIIN:01-045-7940

MSDS Number: BPHQX

=== Responsible Party ===

Company Name:INDIUM CORP OF AMERICA

Address:1676 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:GRE

G EVANS

CAGE:74858

=== Contractor Identification ===

Company Name: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: 6-75%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:400 PPM/500 STEL

ACGIH TLV:400 PPM/500STEL;9293

Ingred Name:MODIFIED GUM RESIN

Fraction by Wt: 30-4

0%
Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION OF VAPORS MAY CAUSE
RESPIRATORY TRACT IRRITATION AND CENTRAL NERVOUS SYTEM EFFECTS.
CONTACT WITH LIQUID MAY IRRITATE EYES AND SKIN. SWALLOWING MAY BE
HARMFUL. CHRONIC: NONE SPECIFIED BY MANUFACTURER.

Explanation of Carc

inogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:INHALED: COUGHING, SHORTNESS OF BREATH,
DIZZINESS, NAUSEA, VOMITING, INTOXICATION. EYES: REDNESS, TEARING,
DISCOMFORT, BURNING SENSATION, SWELLING. SKIN: RASH, ITCHING.
INGESTED: NAUSEA, VOMITING, DIA RRHEA.

Medical Cond Aggravated by Exposure:ANY EXISTING CONDITIONS MAY BE
AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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First Aid Measures
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First Aid:INHALED: REMOVE PERSON TO FRESH AIR. GIVE RESPIRATORY SUPPORT
AS NEEDED. EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES WHILE
HOLDING EYELIDS OPEN. SEE DOCTOR. SKIN: REMOVE CONTAMINATED
CLOTHES. WASH WITH SOAP AND WATER. INGESTED: IF CONSCIOUS, GIVE
WARM WATER. DO NOT INDUCE VOMITING! GET IMMEDIATE MEDICAL
ATTENTION.

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Fire Fighting Measures
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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, OR CARBON DIOXIDE

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
BUNKER GEAR. FIGHT FIRE FROM SAFE DISTANCE/PROTECTED LOCATION.
WATER MAY BE INEFFECTIVE DUE TO LOW FLASH POINT.

Unusual Fire/Explosion Hazard:HEAT MAY BULD PRESSURE/RUPTURE CLOSED
CONTAINERS. VAPORS MAY TRAVEL LONG DISTANCE TO IGNITION SOURCE,
IGNITE AND FLASH BACK

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

Spill Release Procedures:EVACUATE NON-ESSENTIAL PERSONNEL. ELIMINATE ALL SOURCES OF IGNITION. CONTAIN SPILL. ISOLATE AND DENY ENTRY. KEEP OUT OF WATERWAYS/SEWERS. ABSORB WITH INERT MATERIAL OR PUMP TO CONTAINER FOR LATER DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS

AWAY FROM SOURCES OF IGNITION AND INCOMPATIBLES. CAREFULLY VENT INTERNAL PRESSURE BEFORE REMOVING CLOSURE.

Other Precautions:MATERIAL MAY ATTACK SOME FORMS OF PLASTIC, ALUMINUM, RUBBER, AND COATINGS. HANDLE EMPTY CONTAINERS WITH CARE BECAUSE OF FLAMMABLE VAPOR RESIDUE. CONTAINERS MUST BE PROPERLY BONDED AND GROUNDED DURING TRANSFER OPERATIONS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC

VAPOR CARTRIDGE IF TLV EXCEEDED. USE SCBA IF OXYGEN DEFICIENT ATMOSPHERE EXISTS. IF RESPIRATORY PROTECTION NEEDED, A PROGRAM IN ACCORDANCE WITH 29 CFR 19.10.134 MUST BE IN PLACE.

Ventilation:USE ADEQUATE MECHANICAL/LOCAL (EXPLOSION-PROOF) VENTILATION.

Protective Gloves:PVC

Eye Protection:FACE SHIELD

Other Protective Equipment:APRON

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health
DO NOT SMOKE IN WORK AREA. AVOID SWALLOWING. AVOID BREATHING VAPORS. AVOID CONTACT WITH SKIN, EYES, OR CLOTHES.

===== Physical/Chemical Properties =====

HCC:F2

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

Vapor Pres:33 MM HG

Vapor Density:2.1(AIR=1)

Spec Gravity: