



**INDIUM CORPORATION OF AMERICA®\EUROPE®\ASIA-PACIFIC®
INDIUM CORPORATION (SUZHOU)®
SAFETY DATA SHEET**

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: RMA FLUX CAKE RED DYE #3

SDS Number: SDS-4286R3

Revised Date: 11 MAY 2015

Product Use: Industrial Use-Flux material INTERCOMPANY USE

MANUFACTURER:

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2. HAZARDS IDENTIFICATION



Signal Word: Warning

Hazard statement(s)

H317 May cause an allergic skin reaction
H320 Causes eye irritation
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
EUH208 Contains rosin. May produce an allergic reaction

Precautionary statement(s)

P233 Keep container tightly closed
P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P270 Do not eat, drink or smoke when using this product
 P273 Avoid release to the environment
 P280 Wear protective gloves/protective clothing/eye protection/face protection
 P362 Take off contaminated clothing and wash before reuse
 P301 + P314 IF SWALLOWED: Get Medical advice/attention if you feel unwell
 P302 +P352 IF ON SKIN: Wash with plenty of soap and water
 P304 +P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
 P305 + P351 IF IN EYES: Rinse continuously with water for several minutes (15 mins)

PRIMARY ROUTES OF ENTRY:

X Eye X Inhalation X Skin X Ingestion NTP

Carcinogen listed in

IARC OSHA X Not Listed

POTENTIAL HEALTH EFFECTS:

Eye Contact: Irritating to the eyes and if not removed promptly, may result in permanent damage.
Ingestion: May cause irritation.
Inhalation: May cause irritation. Rosin may cause occupational asthma.
Skin Contact: Brief contact may cause slight irritation with itching and local redness. Allergic reaction or dermatitis may occur with prolonged exposure.
Note: The Indium Corporation does not recommend, manufacture, market or endorse any of its products for human consumption.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Components | % wt | CAS Registry # | TLV-TWA mg/m ³ | PEL mg/m ³ | TLV-STEL mg/m ³ |
|-------------|------|--------------------|------------------------------|--------------------------|-------------------------------|
| ROSIN | 96 | 65997-05-9 (EU) | N.E. 0.05 | N.E. - | N.E. 0.15(sensitiser) |
| PROPRIETARY | 4 | N.E. | N.E. | N.E. | |

Symbol: XI Risk Phrases: R36/37/38, R42/43 EU = European Exposure Limits
 N.E. = Not established

4. FIRST AID MEASURES

- Eye Contact:** Hold eyelids apart and flush eyes with plenty of tepid water for at least 15 minutes. Seek medical attention if irritation persists.
- Ingestion:** If patient is conscious, ONLY induce vomiting as directed by trained personnel. NEVER give anything by mouth to an unconscious person. Seek medical attention immediately.
- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration or oxygen by trained personnel. Seek immediate medical attention.
- Skin Contact:** Remove contaminated clothing. Wash affected area with soap and water. Wash clothing before reuse. If irritation persists, obtain medical attention.

5. FIRE FIGHTING MEASURES

- Flash Point:** Not established. **Method:** Not established.
- Auto-ignition Temperature:** Not established.
- Flammable Limits:** Limits not established.
- Extinguishing Media:** Use extinguishers appropriate for the surrounding fire conditions. Foam, dry chemical, water spray and carbon dioxide.
- Special Fire Fighting Procedures:** Firefighters must wear an approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

- Spill or Leak Procedures:** Wear respirator and other personal protective clothing. (See Exposure Controls/Personal Protection Section). Extinguish or remove all sources of ignition. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Keep unnecessary personnel away.

7. HANDLING AND STORAGE

- Handling Precautions:** Avoid breathing vapors from heated material. Avoid contact with eyes, skin and clothing. Follow routine safe handling procedures. Use with adequate ventilation.
- Storage Precautions:** Keep away from heat and flame. Store in suitable, tightly capped, and labeled containers in cool dry, well-ventilated area. Store away from incompatible materials. Empty containers may be hazardous as they contain product residue.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering Controls:** Local exhaust ventilation is recommended especially during heating. Keep personal exposure levels as low as possible.
- Personal protection:**
- Eyes:** Chemical safety glasses/goggles. Face shield for splash and dust hazard.
- Respirator:** A NIOSH approved or EU compliant CE marked air-purifying respirator with a fume/organic chemical cartridge is recommended under certain circumstances where airborne concentrations are expected to be elevated.

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| Skin: | Compatible chemical resistant gloves and sleeve protectors if necessary. |
| Other: | Lab coat, eye-wash fountain in work area. Avoid the use of contact lenses in high fume areas. |
| Work/Hygienic | Maintain good housekeeping. Clean up spills immediately. Good personal hygiene is essential. Avoid eating, smoking or drinking in the work area. Wash hands thoroughly with soap and water immediately upon leaving the work area. |

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| 9. PHYSICAL AND CHEMICAL PROPERTIES | | | |
| Appearance: | Flux (solid) | Boiling Point: | Not applicable. |
| Odor: | Slight characteristic odor. | Melting Point: | Not applicable |
| Specific Gravity: | Not applicable. | pH: | Not applicable |
| Vapor Pressure: | Not applicable. | Solubility in Water: | Not established |
| Vapor Density: | (air=1) Not applicable. | | |

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| 10. STABILITY AND REACTIVITY | |
| General: | Stable. |
| Conditions to Avoid: | High temperatures. Freezing temperatures |
| Incompatible Materials: | Not established |
| Hazardous Decomposition / Combustion: | Carbon monoxide |
| Hazardous Polymerization: | Will not occur. |

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|--------------------------------------|------------------|--------------|------------------|
| 11. TOXICOLOGICAL INFORMATION | | | |
| Carcinogenicity: | NTP: No | | |
| | OSHA: No | | |
| | IARC: No | | |
| LD50: | Not established. | LC50: | Not established. |

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| 12. ECOLOGICAL INFORMATION | |
| Product not tested. | |
| Product contains a substance that is harmful to the aquatic environment. | |

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| 13. DISPOSAL CONSIDERATION | |
| Waste Disposal Method: | Dispose of in accordance with all Federal, State and Local environmental regulations. |

14. TRANSPORT INFORMATION

Transport in accordance with applicable regulations and requirements. Not regulated under US DOT (United States Department of Transportation). Not hazardous under shipping regulations.

North America Emergency Guide Book – Not applicable

UN- NONE

15. REGULATORY INFORMATION

The information in this Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated hereunder (29 CFR 1910.1200 ET. SEQ.).

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulation (CPR).

WHMIS: Not classified, insufficient data.

This product has been classified in accordance with the guidelines set by the Dept of Industrial Health of the Republic of Singapore.

This product has been classified in accordance with the Mexican regulations NOM-018-STPS-2000 and NOM-010-STPS-1999.

This product has been classified under the Chinese, Occupational Exposure Limit for Hazardous Agents in the Workplace, GBZ2-2002.

SARA 313 Listing - 40 CFR 372.65 (FORM R REPORTING) : NONE

All ingredients are listed on the EPA TSCA Inventory.

EC Classification, Packaging and Labeling Requirements:

Symbol and Hazard Classification of Product

XI

Risk Phrases:

R42/43 May cause sensitization by inhalation and skin contact

R36/37/38 Irritating to eyes, respiratory system and skin

Safety Phrases:

S20/21 When using do not eat, drink or smoke

S23 Do not breathe fumes

S24/25 Avoid contact with skin and eyes

S27 Take off immediately all contaminated clothing

S28 After contact with skin wash immediately with plenty of soap and water

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

S7 Keep container tightly closed

16. OTHER INFORMATION

HMIS Hazard Rating: **Health:** 1

Fire: 1**Reactivity:** 0**Revised Date:** 11 MAY 2015**Prepared by:** Nancy Swarts, Indium Corporation of America**Approved by:** Nancy Swarts, Indium Corporation of America

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