MSDS – MP014 CORE 230 FLUX



INDIUM CORPORATION OF AMERICA ®\EUROPE®\ASIA-PACIFIC® INDIUM CORPORATION (SUZHOU) ®

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: CORE 230 FLUX

MSDS Number: MSDS-MP014

MSDS Number: MSDS-MP014 Revised Date: 21 JUNE 2005

Product Use: FLUX CAKE

MANUFACTURER:

In America: EM
The Indium Corporation of America CHI

1676 Lincoln Ave., Utica NY 13502 Information: (315) 853-4900

In Europe:

Indium Corporation of Europe

7 Newmarket Ct.

Kingston, Milton Keynes, UK, MK 10 OAG

Information: +44 [0] 1908 580400

In Asia:

Asia-Pacific Operations-Singapore

29 Kian Teck Avenue Singapore 628908

N.E. = Not established

Information: +65 6268-8678

EMERGENCY PHONE:

CHEMTREC 24 hrs. USA: 1 (800) 424-9300

Outside USA: 1 (703) 527-3887

In China:

Indium Corporation (Suzhou) Co., Ltd.

No. 428 Xinglong Street Suzhou Industrial Park Suchun Industrial Square

Unit No. 14-C

Jiangsu Province, China 215126 Information: (86) 512-6283-4900

Components	% wt	CAS Registry #	TLV-TWA mg/m³	PEL mg/m³	TLV-STEL mg/m³
ROSIN	90-95	65997-05-9 (EU)	N.E. 0.05	N.E. N.E.	N.E. 0.15(sensitiser)
PROPRIETARY	05-10		N.E.	N.E.	N.E.

MSDS - MP014 CORE 230 FLUX

3. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF ENTRY:

Carcinogen listed in

✓ Eye ✓ Inhalation ✓ Skin ✓ Ingestion NTP IARC OSHA ✓ Not Listed

POTENTIAL HEALTH EFFECTS:

Eye Contact: Moderately irritating to the eyes and if not removed promptly, may result in permanent damage.

Ingestion: Harmful if swallowed. May cause irritation and damage to mouth, esophagus and the gastrointestinal

tract.

Inhalation: Heated vapor concentrations may be harmful if inhaled. Moderately toxic.

Skin Contact: Brief contact may cause slight irritation with itching and local redness. Allergic skin reaction or

dermatitis may occur with prolonged exposure.

Chronic: Prolonged or repeated overexposure to mist or vapor generated at high temperatures may

result in the inhalation of harmful amounts of material. Rosin fumes generated by heating may lead to

respiratory sensitization (asthma) in susceptible individuals.

Note: The Indium Corporation does not recommend, manufacture, market or endorse any of its products for

human consumption.

4. FIRST AID MEASURES

Eye Contact: Hold eyelids apart and flush eyes with plenty of 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 Firefighters must wear an approved self-contained breathing apparatus and full

Procedures: protective clothing.

MSDS – MP014 CORE 230 FLUX

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 Avoid breathing vapors from heated material. Avoid contact with eyes, skin and clothing.

Precautions: 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 in order to keep

exposures as low as possible.

Personal protection:

Eyes: Chemical safety glasses/goggles.

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.

Skin: Compatible chemical resistant gloves.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:Flux (solid)Boiling Point:Not applicable.Odor:Slight characteristic odor.Melting Point:Not applicableSpecific Gravity:Not applicable.pH:Not applicableVapor Pressure:Not applicable.Solubility in Water:Not established

Vapor Density: (air=1) Not applicable.

10. STABILITY AND REACTIVITY

General: Stable.

Conditions to Avoid: High temperatures. Freezing temperatures

Incompatible Materials: Not established

Hazardous Decomposition / Carbon monoxide

Combustion:

Carbon monoxide

Hazardous Polymerization: Will not occur.

MSDS - MP014 CORE 230 FLUX

11. TOXICOLOGICAL INFORMATION

Carcinogenicity: NTP: No

OSHA: No IARC: No

LD50: Not established. **LC50:** Not established.

12. ECOLOGICAL INFORMATION

This section is subject to future development. Biodegradability: Data not established.

Aquatic Toxicity: Data not established.

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 in shipping.

15. REGULATORY INFORMATION

The information in this Material 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.).

The information in this Material Safety Data Sheet meets the requirements of the EU under Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 (CHIP 2) Regulation 6.

This product has been classified in accordance with the hazard criteria of the Commission Directive 91/155/EEC and EH40.

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 of the Dept of Industrial Health of the Republic of Singapore.

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

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

MSDS – MP014 CORE 230 FLUX

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

ΧI

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:

Fire: 1
Reactivity: 0

Revised Date: 21 JUNE 2005

Prepared by: Nancy Swarts, Indium Corporation of America

Approved by: Nancy Swarts, Indium Corporation of America

The information and recommendations contained herein are, to the best of The Indium Corporation of America's knowledge and belief, accurate and reliable as of the date issued. The Indium Corporation of America does not warrant or guarantee their accuracy or reliability, and The Indium Corporation of America shall not be liable for any loss or damage arising out of the user thereof. The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. If buyer repackages this product, legal counsel should be consulted to insure proper health, safety and other necessary information is included on the container.