

Safety Data Sheet

RUST-OLEUM
AUSTRALIA

www.rustoleum.com.au

1. Identification

Product Name: INDHP 1-GL 2PK ROCEPOX 9100 FC ACT
Name on Label: 9100 System DTM Epoxy Mastic Activator
Product Identifier: 9104402
Product Use/Class: Fast Cure Activator/Epoxy
Supplier: Rust-Oleum Australia & New Zealand Pty. Ltd.
 Level 2, 307 Ferntree Gully Road
 Mount Waverley, Victoria 3149
 Australia
 Ph 1 300 784 476
Manufacturer: Rust-Oleum Corporation
 11 Hawthorn Parkway
 Vernon Hills, IL 60061
 USA
Preparer: Regulatory Department
Emergency Telephone: 24 Hour Hotline: 1-300-366-961

2. Hazard Identification

This product is classified as a Dangerous Good per the Australian Code for the Transport of Dangerous Goods by Road and Rail. This product was assessed per Safe Work Australia criteria.

Classification

Symbol(s) of Product



Signal Word

Danger

Possible Hazards

5% of the mixture consists of ingredient(s) of unknown acute toxicity.

GHS HAZARD STATEMENTS

Acute Toxicity, Inhalation, category 4	H332	Harmful if inhaled.
Flammable Liquid, category 2	H225	Highly flammable liquid and vapour.
Serious Eye Damage, category 1	H318	Causes serious eye damage.
Skin Irritation, category 2	H315	Causes skin irritation.

GHS LABEL PRECAUTIONARY STATEMENTS

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves / protective clothing / eye protection / face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

9100 System DTM Epoxy Mastic Activator

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P316

Get emergency medical help immediately.

P317

Get medical help.

P321

Specific treatment (see notice on this label).

P332+P317

If skin irritation occurs: Get medical help.

P362+P364

Take off contaminated clothing and wash it before reuse.

P370+P378

In case of fire: Extinguish using suitable extinguishing media.

P403+P235

Store in a well-ventilated place. Keep cool.

P501

Dispose of contents and container in accordance with local, regional and national regulations.

GHS SDS PRECAUTIONARY STATEMENTS

P240

Ground and bond container and receiving equipment.

P241

Use explosion-proof electrical, ventilating, lighting, or pouring equipment.

P242

Use non-sparking tools.

P243

Take action to prevent static discharges.

3. Composition/Information On Ingredients**HAZARDOUS SUBSTANCES**

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt.% Range</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Barium Sulfate	7727-43-7	25-50	GHS07	H332
2-Propanol	67-63-0	2.5-10	GHS02-GHS07	H225-302-319-336
Xylenes (o-, m-, p- Isomers)	1330-20-7	2.5-10	GHS02-GHS07-GHS08	H226-304-315-319-332-335
n-Butanol	71-36-3	2.5-10	GHS02-GHS05-GHS07	H226-302+H332-315-318-335-336
Polystyrene	9003-53-6	2.5-10	Not Available	Not Available
4-Nonylphenol, Branched	84852-15-3	2.5-10	GHS05-GHS07-GHS08	H302+H312-314-361FD
Ethylbenzene	100-41-4	1.0-2.5	GHS02-GHS07-GHS08	H225-304-315-319-332-373
1,3-Cyclohexanedimethanamine	2579-20-6	1.0-2.5	GHS06	H301-312
4,4'-(1-Methylethylidene) Bisphenol	80-05-7	0.1-1.0	GHS05-GHS07-GHS08	H317-318-335-361F
Triethylenetetramine	112-24-3	0.1-1.0	GHS05-GHS06	H312-314-317-330
Crystalline Silica / Quartz	14808-60-7	0.1-1.0	GHS08	H372
Hydrogenated Castor Oil	8001-78-3	0.1-1.0	Not Available	Not Available
Epichlorohydrin-Bisphenol A Resin	25068-38-6	0.1-1.0	GHS07	H315-317-319-335

The balance of the product is Nonhazardous.

4. First-Aid Measures

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed. Remove contact lenses, if present and easy to do. Continue rinsing.

FIRST AID - SKIN CONTACT: Immediately flush skin with plenty of water for at least 15 minutes while removing clothing. Get medical attention immediately. Wash clothing separately before reuse.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

FIRST AID - INGESTION: If swallowed, do not induce vomiting. If victim is conscious and alert, give 2 to 4 cupfuls of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Treat symptomatically and supportively. Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

5. Fire-fighting Measures

ADG HAZCHEM CODE: N.A.

EXTINGUISHING MEDIA: Aqueous Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may explode when exposed to extreme heat. Vapors can travel to a source of ignition and flash back. Keep containers tightly closed. DO NOT apply to hot surfaces. Isolate from heat, electrical equipment, sparks and open flame.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred. Evacuate area and fight fire from a safe distance. Containers can rupture and release highly toxic material if exposed to heat. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Avoid runoff into sewers and waterways. Provide ventilation and approach spill from upwind using proper personal protective equipment as indicated in Section 8. Evacuate the area, remove all sources of ignition and ventilate well. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Eliminate all ignition sources; use explosion-proof equipment. Place material in a container and dispose of according to local, provincial, state and federal regulations. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Local authorities should be advised if significant spillages cannot be contained.

7. Handling and Storage

HANDLING: Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all SDS and label precautions even after container is emptied because it may retain product residues. Ground and bond containers when transferring material from one vessel to another. Vapor can be ignited by static discharge. Use spark-proof tools and explosion-proof equipment. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

STORAGE: Store in a dry, well ventilated place. Keep container tightly closed when not in use. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Keep away from heat, sparks, flame and sources of ignition. Avoid excess heat.

Advice on Safe Handling of Combustible Dust: No Information

8. Exposure Controls / Personal Protection

Chemical Name	CAS-No.	Weight % Less Than	WHS WES TLV-TWA	WHS WES TLV-STEL
Barium Sulfate	7727-43-7	40.0	5 mg/m3	N.E.
2-Propanol	67-63-0	10.0	200 ppm	400 ppm
Xylenes (o-, m-, p- Isomers)	1330-20-7	10.0	20 ppm	N.E.
n-Butanol	71-36-3	5.0	20 ppm	N.E.
Polystyrene	9003-53-6	5.0	N.E.	N.E.
4-Nonylphenol, Branched	84852-15-3	5.0	N.E.	N.E.
Ethylbenzene	100-41-4	5.0	20 ppm	N.E.
1,3-Cyclohexanedimethanamine	2579-20-6	5.0	N.E.	N.E.
4,4'-(1-Methylethylidene) Bisphenol	80-05-7	1.0	N.E.	N.E.
Triethylenetetramine	112-24-3	1.0	N.E.	N.E.
Crystalline Silica / Quartz	14808-60-7	1.0	0.025 mg/m3	N.E.
Hydrogenated Castor Oil	8001-78-3	1.0	N.E.	N.E.
Epichlorohydrin-Bisphenol A Resin	25068-38-6	1.0	N.E.	N.E.

PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: Wear an approved (or equivalent) full-facepiece airline respirator according to AS/NZS 1715-2009 and AS/NZS 1716-2012 in the positive pressure mode with emergency escape provisions. A respiratory protection program that meets AS/NZS 1715-2009 and AS/NZS 1716-2012 requirements must be followed whenever workplace conditions warrant a respirator's use. An approved air purifying respirator with organic vapor cartridge or canister according to AS/NZS 1715-2009 and AS/NZS 1716-2012 may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Users of this product in industrial/OEM applications must use one of the following forms of respiratory protection:

- AS/NZS 1715-2009 and AS/NZS 1716-2012 compliant supplied-air respirator operated in pressure demand or continuous flow mode and equipped with a tight fitting facepiece
- AS/NZS 1715-2009 and AS/NZS 1716-2012 compliant air-purifying respirator equipped with a full facepiece and organic gas/vapor cartridges
- AS/NZS 1715-2009 and AS/NZS 1716-2012 compliant powered air-purifying respirator equipped with a full facepiece and organic gas/vapor cartridges.

SKIN PROTECTION: Use impervious gloves to prevent skin contact and absorption of this material through the skin.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

Engineering Measures for Combustible Dust: No Information

9. Physical and Chemical Properties

Appearance:	Liquid	Physical State:	liquid
Odor:	Solvent Like	Odor Threshold:	N.E.
Specific Gravity:	1.600	pH:	N.A.
Freeze Point, °C:	NE	Viscosity:	N.D.
Solubility in Water:	Slight	Partition Coefficient, n-octanol/water:	N.D.
Decomposition Temp., °C:	N.D.	Explosive Limits, vol%:	1.2 - 12.0
Boiling Range, °C:	83 - 537	Flash Point, °C:	17
Flammability:	Supports Combustion	Auto-Ignition Temp., °C:	N.D.
Evaporation Rate:	Slower than Ether	Vapor Pressure:	N.D.
Vapor Density:	Heavier than air		

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

Conditions to Avoid: Avoid temperatures above 120°F (49°C). Avoid all possible sources of ignition. Avoid contact with metals. Avoid excess heat. Keep from freezing.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies. Product slowly corrodes copper, aluminum, zinc, and galvanized surfaces.

Hazardous Decomposition: When heated to decomposition, it emits acrid smoke and irritating fumes.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

11. Toxicological Information

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes eye burns. Irritating, and may injure eye tissue if not removed promptly. High vapor concentrations can irritate eyes, nose and respiratory passages.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Substance is corrosive. Causes severe skin burns. Severely irritating; may cause permanent skin damage.

EFFECTS OF OVEREXPOSURE - INHALATION: High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. High vapor concentrations are irritating to the eyes, nose, throat and lungs. Constituents of this product include crystalline silica dust which, if inhalable, may cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. Constituents may also contain asbestiform or non-asbestiform tremolite or other silicates as impurities, and above de minimus exposure to these impurities in inhalable form may be carcinogenic or cause other serious lung problems. Routine handling and application does not require use

of respiratory protection; however, if air monitoring demonstrates vapor, mist, or dust levels above applicable limits, wear an appropriate, properly fitted respirator (meets AS/NZS 1715-2009 and AS/NZS 1716-2012 requirements) during handling and application. Follow respirator manufacturer's directions for respirator use.

EFFECTS OF OVEREXPOSURE - INGESTION: Corrosive and may cause severe and permanent damage to mouth, throat and stomach. Harmful if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage. IARC lists Ethylbenzene as a possible human carcinogen (group 2B).

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
7727-43-7	Barium Sulfate	307000 mg/kg Rat	N.E.	N.E.
67-63-0	2-Propanol	1870 mg/kg Rat	4059 mg/kg Rabbit	72.6 mg/L Rat
1330-20-7	Xylenes (o-, m-, p- Isomers)	3500 mg/kg Rat	>4350 mg/kg Rabbit	29.08 mg/L Rat
71-36-3	n-Butanol	700 mg/kg Rat	3402 mg/kg Rabbit	N.E.
84852-15-3	4-Nonylphenol, Branched	1300 mg/kg Rat	2000 mg/kg Rabbit	25 mg/L
100-41-4	Ethylbenzene	3500 mg/kg Rat	15400 mg/kg Rabbit	17.4 mg/L Rat
2579-20-6	1,3-Cyclohexanedimethanamine	200 - 2000 mg/kg Rat	1700 mg/kg Rabbit	N.E.
80-05-7	4,4'-(1-Methylethylidene) Bisphenol	3300 mg/kg Rat	3000 mg/kg Rabbit	2100 mg/L
112-24-3	Triethylenetetramine	2500 mg/kg Rat	1,465 mg/kg Rabbit	N.E.
14808-60-7	Crystalline Silica / Quartz	5500 mg/kg Rat	5500	100 mg/L
8001-78-3	Hydrogenated Castor Oil	10000 mg/kg Rat	N.E.	N.E.
25068-38-6	Epichlorohydrin-Bisphenol A Resin	11400 mg/kg Rat	>5000	25 g/L

N.E. - Not Established

12. Ecological Information

ECOLOGICAL INFORMATION: No ecotoxicity data was found for this product.

TOXICITY: The acute toxicity effects of this product have not been tested. Data on individual components are tabulated below:

AQUATIC ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Algae</u>	<u>Daphnia/Aquatic</u>	<u>Fish</u>
67-63-0	2-Propanol	>1000 mg/L	13299 mg/L	9640 mg/L
1330-20-7	Xylenes (o-, m-, p- Isomers)	N.E.	3.82 mg/L	13.4 mg/L
71-36-3	n-Butanol	>500 mg/L	1983 mg/L	1730 - 1910 mg/L
84852-15-3	4-Nonylphenol, Branched	0.36 - 0.48 mg/L	0.14 mg/L	0.135 mg/L
100-41-4	Ethylbenzene	4.6 mg/L	1.8 - 2.4 mg/L	11.0 - 18.0 mg/L
80-05-7	4,4'-(1-Methylethylidene) Bisphenol	2.5 mg/L	10.2 mg/L	3.6 - 5.4 mg/L
112-24-3	Triethylenetetramine	2.5 mg/L	31.1 mg/L	570 mg/L
8001-78-3	Hydrogenated Castor Oil	N.E.	N.E.	>10000 mg/L

N.E. - Not Established

PERSISTENCE AND DEGRADABILITY: The persistence and degradability of this product have not been tested.

BIOACCUMULATIVE POTENTIAL:

<u>Product/ingredient name</u>	<u>Octanol-water par. Coeff (log KOW)</u>	<u>Bio. Conc. Factor (BCF)</u>
2-Propanol	0.05	N.I.
Xylenes (o-, m-, p- Isomers)	2.77 - 3.15	0.6 - 15 dimensionless
n-Butanol	1	0.64 dimensionless
4-Nonylphenol, Branched	5.4	271 dimensionless
Ethylbenzene	3.6	15 dimensionless
1,3-Cyclohexanedimethanamine	0.783	N.I.
4,4'-(1-Methylethylidene) Bisphenol	3.4	5.1 - 13.8 dimensionless
Triethylenetetramine	-1.4	N.I.

MOBILITY IN SOIL: The mobility in soil of this product has not been tested.

OTHER ADVERSE EFFECTS: This product has not been tested for other adverse ecological effects.

13. Disposal Information

DISPOSAL: Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not incinerate closed containers.

14. Transport Information

	<u>Domestic (USDOT)</u>	<u>International (IMDG)</u>	<u>Air (IATA)</u>	<u>ADG</u>
UN Number:	N.A.	1263	1263	N.A.
Proper Shipping Name:	Paint Products in Limited Quantities	Paint	Paint	Paint Products in Limited Quantities
Hazard Class:	N.A.	3	3	N.A.
Packing Group:	N.A.	II	II	N.A.
Limited Quantity:	Yes	Yes	No	Yes
ADG Hazchem Code:	N.A.			

15. Regulatory Information

Montreal Protocol

No Montreal Protocol components exist in this product.

Stockholm Convention

No Stockholm Convention components exist in this product.

Rotterdam Convention

No Rotterdam Convention components exist in this product.

MARPOL

This product contains the following substances listed under the MARPOL regulations:

<u>Chemical Name</u>	<u>CAS-No.</u>
Naphthalene	91-20-3

SUSMP

This product contains the following substances classified as poisons as regulated by the Poisons Standard (SUSMP):

<u>Chemical Name</u>	<u>Schedule Number(s)</u>
Liquid Hydrocarbons	Schedule 5
Amines	Schedule 5
Epoxy Resins, Liquid	Schedule 5

Capital Territories Environmental Regulations

This product contains the following substances listed under the Australian Capital Territories Environmental Protection Regulation:

<u>Chemical Name</u>	<u>Schedule</u>	<u>Schedule Name</u>
Xylenes (o-, m-, p- Isomers)	3	DOM - Organic Chemicals
Ethylbenzene	3	Non-pesticide Anthropogenic Organics
Toluene	3	Non-pesticide Anthropogenic Organics
Benzene	3	Non-pesticide Anthropogenic Organics
Lead Compounds	3	AQUA - Inorganic Chemicals
Cadmium Compounds	3	AQUA - Inorganic Chemicals

16. Other Information

SDS REVISION DATE: 28/11/2023

REASON FOR REVISION: Product Composition Changed
 Substance and/or Product Properties Changed in Section(s):
 01 - Identification
 02 - Hazard Identification
 03 - Composition / Information on Ingredients
 05 - Fire-Fighting Measures
 08 - Exposure Controls / Personal Protection
 09 - Physical & Chemical Properties
 11 - Toxicological Information
 12 - Ecological Information
 16 - Other Information
 Substance Hazard Threshold % Changed
 Substance Hazardous Flag Changed
 Revision Statement(s) Changed

Legend:

N.A. - Not Applicable N.D. - Not Determined N.E. - Not Established
 S.T.E.L. - Short Term Exposure Limit
 T.W.A. - Time Weighted Average
 W.E.S. - Workplace Exposure Standard
 W.H.S. - Work Health and Safety regulation

The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.