

Material Safety data sheet

SATURATED POLYESTER RESIN - 4055

1. Chemical Product & Company Identification.

Product Name : KP- 4055
Chemical Product : Oil free Saturated Polyester Resin for Coil Coating
Manufacturer : Karna Paints (P) Ltd.
120 K.M.Stone,
G.T. Road, KARNAL (INDIA)
Pin Code – 132001
Emergency No's : +91- 184-2221610, 11, 13.
Fax. : +91- 184-2221609.
E – Mail : info@karnapaints.com

2. Composition / Information on Ingredients.

Name	: CAS No.	R- Phrases
Solvent Naptha	: 64742-95-6	R10,R37,R51/53,R65,R66.R67
2-Butoxy ethanol	: 111-76-2	R20/21,R37

3. Hazardous Identification

Human Health Hazardous : Irritating to eyes & respiratory system.
: Repeated exposure may cause skin dryness/cracking
: Flammable

4. First-aid measures

Inhalation : If inhaled, remove victim from area of exposure to fresh air.
Ingestion : Never give anything by mouth to an unconscious person. If large quantity of this material is swallowed, call a physician immediately.
Skin contact : In case of contact, immediately flush skin with plenty of water . Get medical attention if irritation develops.
Eye contact : Immediately flush eyes with running water keeping eyelids open. Seek immediate medical attention.



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5. Fire fighting measures.

- Extinguishing media : Fire fighting foam, dry chemical powder or water spray.
 Cool containing vessel with water jet in order to avoid explosion.
- Protective equipment : Wear self-contained breathing apparatus and protective suit.
- Special precaution : Prevent contaminated extinguishing water from entering drain, drain, sewers or streams.

6. Accidental release measures.

- Spillage : Collect in a closed container.
 : Remove to a safe place.
 : Contact local authorities for local regulation on disposal
 : Do not allow the material to enter surface water drains.
- Personal protection : Refer section 8.

7. Handling & storage

- Handling : Avoid contact with eyes, skin and clothing, avoid breathing dust. Wash thoroughly after handling.
- Storage : The material stored in closed and undamaged containers in cool, dry and well ventilated place. Exposure to direct sunlight should be avoided.
 Keep container tightly closed and sealed unless to be used.
 Keep away from heat, source of ignition. Stop

8. Exposure controls / personal protection

- Engineering control : Use process enclosure, exhaust ventilation required.
- Hygiene measures : Wash thoroughly after handling.

Personal protection

- Eye protection : Safety glasses.
- Skin protection : Protective gloves.
- Respiratory protection : Wear appropriate respirator where ventilation is inadequate.

9. Physical and chemical properties



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Physical state : Liquid
Colour : Water white to pale yellow
Viscosity (Cps at 25°C by BF
Viscometer) : 3000-4000 cps
Specific gravity (water =1) : 1.04 ± 0.02
Non volatile matter
(1 hr at 150°C) : 55 ± 2 %
Acid value
(Mg KOH / Gm) : 5 Max.

10. Stability and reactivity.

Hazardous polymerization : Not under normal condition.
Condition / material to avoid, : Not available
Hazardous decomposition product : Long term degradation product may arise.
: Carbon oxides (CO,CO2)

11. Toxicological Information

Routes of entry : Skin, eyes and respiratory tract.
Acute Toxicity : Acute oral toxicity
- LD50 oral (rabbit) : 300 mg. / kg.
- LD50 dermal (rabbit) : 1654 mg. / kg.

12. Ecological Information

Mobility : Not available
Degradability : Not available
Ecotoxicity : Solvent naptha may be toxic to aquatic organism and may have long term effects in the aquatic environment.

13. Disposal Consideration

Disposal should be carried out in accordance with national and local regulation.
Consult local authorities for detailed advice.

14. Transport Information

Not available

15. Regulatory Information



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Appropriate regulation (India)

Labour safety and health facilities regulations, industrial waste storage and disposal regulation.

16. Other Information

Transport Information

UN Number : 1866
Proper shipping name : RESIN SOLUTION, Flammable
ADR/RID Class : 3
Packing group : III
Hazard identification No : 30-1866
Emergency schedules (EmS) : 3-05
Marine pollutant : IMDG Class Marine pollutant
IATA-DGR Class : 3

Remarks: This class 3 material can be considered non hazardous in packaging up to 450 L

Regulatory information

Risk phrases : R 10 – Flammable
R 37 – Irritating to respiratory system
R 51/ 53 – Toxic to aquatic organism
R 66 – Repeated exposure may cause skin dryness
R 67 – Vapours may cause drowsiness and dizziness

Safety phrases : S 37 – Wear suitable gloves
S 57 – Use appropriate containers to avoid environmental contamination.
S 61 - Avoid release to atmosphere

This material safety data sheet was produced using most accurate researched information; users are responsible for their own safety.

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