



Material Safety Data Sheet

SAKSHI GR 50

1. Product and company identification

Product name	SAKSHI GR 50 – Base, PART – A EPOXY BASED CLEAR COMPOUND
Intended use	Refer technical data sheet For Industrial use only
Application method	Brush/Roller/Spray/ Pouring
Company name	SAKSHI COATING PVT.LTD. Gala No.2, Opp. Mhatre Compound, Gothivali Village Road Rabale, Navi Mumbai – 400 701, India
Telephone No.	+91 22 6561 6751
E-mail	sakshihitech@gmail.com
Website	www.sakshihitech.com

2. Composition/Information on ingredients

This product contains the following substances that present a health hazard within the meaning of the Dangerous Substances Directive and Chemical Regulation:

Ingredient	CAS No	Concentration Range%
Epoxy Polymer	25085-99-8	80-85
Alkyl Glycidyl Ether	68609-97-2	15-20

Total may not equal 100%. The rest of the ingredients in this product are classified as non-hazardous.

3. Hazard identification of the product



Warning

Hazard Statements

Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
suspected of causing genetic defects
May damage fertility or the unborn child
May cause damage to organs through prolonged or repeated exposure
Toxic to aquatic life with long lasting effects



Material Safety Data Sheet

SAKSHI GR 50

4. First aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration.

If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eye Contact

Irrigate copiously with clean fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention.

Skin Contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognised skin cleanser. Do NOT use solvents or thinners.

Ingestion

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

5. Fire-fighting measures

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.

Do not use – water jet.

Note: Fire will produce dense black smoke. Decomposition products may be hazardous to health. Avoid exposure and use breathing apparatus as appropriate.

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

6. Accidental release measures

Personal precautions: Ensure adequate ventilation. Do not breathe vapour/dust. Use personal protective Equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

Environmental precautions: Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

7. Handling and storage

Handling

Technical

Measures/precautions:

Provide sufficient air exchange and/or exhaust in work rooms.

Safe handling advice: Do not breathe vapors or spray mist. In case of insufficient ventilation, wear suitable Respiratory equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Wash thoroughly after handling.

Storage

Technical measures/storage

conditions:

Store at room temperature in the original container.

Incompatible products: See Section 10, Materials to avoid.

Safe storage temperature: 50 - 100 °F

Shelf life: 1 year



Material Safety Data Sheet

SAKSHI GR 50

8. Exposure controls and personal protection

Engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapour below occupational exposure limits suitable respiratory protection must be worn.

Exposure Limits-NOT KNOWN

The following occupational exposure limits have been established by the Health and Safety Department.

Respiratory Protection

When concentrations exceed the exposure limits shown above, workers must wear appropriate approved respirators. Provision of other controls such as exhaust ventilation should be considered if practical.

Eye Protection

Wear safety eyewear, e.g. safety spectacles, goggles or visors to protect against the splash of liquids. Eyewear should comply with an approved standard.

Wear a full face shield if mixing or pouring operations pose a risk of splashes.

An eye wash station is suggested as a good working place practice.

Hand Protection

Gloves of an appropriate material should be worn during mixing and application.

Skin Protection

Overalls which cover the body, arms and legs should be worn. Skin should not be exposed. Barrier creams may help protect areas which are difficult to cover such as the face and neck. They should however not be applied once exposure has occurred. Petroleum jelly based types such as Vaseline should not be used. All parts of the body should be washed after contact.

Hygiene measures: Avoid contact with skin, eyes and clothing.



9. Physical and chemical properties

Physical State	Liquid
Colour	CLEAR
Flash Point (deg C)	more than 100
Specific Gravity @ 30deg C	1.10± 0.02
Vapour Density	Heavier than air
Lower Explosive Limit%	not measured
R.A.Q. to ventilate to 10% of the LEL (M3/l)	not measured
Solubility in Water	Immiscible
Viscosity (cST)	Not applicable
Odour	specific



Material Safety Data Sheet

SAKSHI GR 50

10. Stability and reactivity

STABILITY —

CONDITIONS TO AVOID

INCOMPATIBILITY

HAZARDOUS DECOMPOSITION PRODUCTS By fire:

HAZARDOUS POLYMERIZATION

Stable

None known.

None known.

Carbon Dioxide, Carbon Monoxide

Will not occur

11. Toxicological information

There are no data available on the product itself.

Information on likely routes of exposure

Inhalation May cause irritation of respiratory tract.

Eye Contact Irritating to eyes.

Skin Contact Irritating to skin. May cause sensitization by skin contact.

Ingestion - Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

12. Ecological information

There are no data available on the product itself.

The product should not be allowed to enter drains or water courses.

The product does not contain any substances classified as dangerous for the environment.

13. Disposal considerations

Do not allow any drains or water courses. Wastes and empty containers should be disposed of in accordance with the your local hazardous waste regulatory authority Or as per Pollution Act and Environmental Protection Act.



Material Safety Data Sheet

SAKSHI GR 50

14. Transport information

Transport only in accordance with the following regulations:

Proper shipping name:	Not Regulated
IMDG reference	UN no.: UN3082
	Proper shipping name: Environmentally Hazardous substance, liquid, n.o.s. (Epoxy resin)
	Class: 9
	Packing group: III
	EMS: F-A; S-F, MARINE POLLUTANT
IATA/ICAO:	UN no.: UN3082
	Proper shipping name: Environmentally Hazardous substance, liquid, n.o.s. (Epoxy resin)
	Hazard Class: 9
	Packing group: III, MARINE POLLUTANT

15. Regulatory information

The product complies with local regulations, local Pollution Control Act, Environmental Pollution Act.

16. Other information

Sources of key data used to compile Material safety data sheets of the ingredients.

Data sheet:

Prepared by: Safety, Health and Environmental Department, SAKSHI COATING PVT.LTD

Revision Date: 01/12/2018

Reason for revision: New Format.

The information on this MSDS is based upon the present state of our knowledge and on current national laws. The product should not be used for purposes other than shown in the product data sheet without first obtaining written advice.

It is always the responsibility of the user to take all necessary steps to meet the demands of applicable legislation. Copies of product data sheet are available from SAKSHI COATING PVT.LTD., on request.



Material Safety Data Sheet

SAKSHI GR 50

1. Product and company identification

Product name SAKSHI GR 50,Hardener, **PART – B**
EPOXY BASED CLEAR COMPOUND

Intended use Refer technical data sheet
For Industrial use only

Application method Brush/Roller/Spray/ Pouring

Company name SAKSHI COATING PVT.LTD.
Gala No.2, Opp Mhatre Compound,
Gothivali Village Road
Rabale, Navi Mumbai – 400 701, India

Telephone No. +91 22 6561 6751

E-mail sakshihitech@gmail.com

Website www.sakshihitech.com

2.Composition/Information on ingredients

This product contains the following substances that present a health hazard within the meaning of the Dangerous Substances Directive and Chemical Regulation:

Ingredient	CAS No	Concentration Range%
4,4'-Methylene-bis-Cyclohexylamine	1761-71-3	25-50
No Chemical Name Found	PROPRIETARY	10-25
Nonylphenol	25154-52-3	1-2
Benzyl Alcohol	100-51-6	5-10

Total may not equal 100%. The rest of the ingredients in this product are classified as non-hazardous.

3. Hazard identification of the product



DANGER

Hazard Statements

- harmful if swallowed
- Harmful in contact with skin
- Causes severe skin burns and eye damage
- May cause an allergic skin reaction
- Suspected of damaging fertility or the unborn child
- Toxic to aquatic life with long lasting effects



Material Safety Data Sheet

SAKSHI GR 50

4. First aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eye Contact

Irrigate copiously with clean fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention.

Skin Contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognised skin cleanser. Do NOT use solvents or thinners.

Ingestion

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

5. Fire-fighting measures

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.

Do not use – water jet.

Note: Fire will produce dense black smoke. Decomposition products may be hazardous to health. Avoid exposure and use breathing apparatus as appropriate.

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

6. Accidental release measures

Personal precautions: Ensure adequate ventilation. Do not breathe vapour/dust. Use personal protective Equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

Environmental precautions: Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

7. Handling and storage

Handling

Technical

Measures/precautions:

Provide sufficient air exchange and/or exhaust in work rooms.

Safe handling advice: Do not breathe vapors or spray mist. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Wash thoroughly after handling.

Storage

Technical measures/storage

conditions:

Store at room temperature in the original container.

Incompatible products: See Section 10, Materials to avoid.

Safe storage temperature: 50 - 100 °F

Shelf life: 1 year



Material Safety Data Sheet

SAKSHI GR 50

8. Exposure controls and personal protection

Components	ACGIH Exposure Limits	OSHA TWA (final)	NIOSH - Pocket Guide
Benzyl Alcohol	Not Established,	Not Established,	Not Established,
4,4'-Methylene-bis-Cyclohexylamine	Not Established,	Not Established,	Not Established,

Engineering measures

Provide adequate ventilation.

Personal Protective Equipment:

- General:** Eye Wash and Safety Shower
- Respiratory protection:** If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, a NIOSH-certified respirator with organicvapor/P100 filter should be worn.
- Eye protection:** Face-shield, Tightly fitting safety goggles
- Hand protection:** Neoprene gloves
- Skin and body protection:** Impervious clothing, Boots
- Hygiene measures:** Wash hands before breaks and immediately after handling the product Discard contaminated leather articles.



9. Physical and chemical properties

Physical State	Liquid
Colour	Clear Amber,
Flash Point (deg C)	more than 100
Specific Gravity @ 30deg C	1.00± 0.02
Vapour Density	Heavier than air
Lower Explosive Limit%	not measured
R.A.Q. to ventilate to 10% of the LEL (M3/l)	not measured
Solubility in Water	Immiscible
Viscosity (cST)	Not applicable
Odour	Amine
Auto ignition temperature	not measured
Decomposition Temperature	No information available
Molecular Weigh	No information available



Material Safety Data Sheet

SAKSHI GR 50

10. Stability and reactivity

CONDITIONS TO AVOID: Avoid contact with strong acid and strong bases. Avoid all possible sources of ignition. Avoid contact With metals.

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

HAZARDOUS DECOMPOSITION: By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes. Decomposition produces hydrogen chloride, chlorine and hydrogen gases.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

11. Toxicological information

No toxicological information is available on the product. Data obtained on components are summarized below.

Information on likely routes of exposure

Inhalation May cause irritation of respiratory tract.

Eye Contact Corrosive to the eyes and may cause severe damage including blindness.

Skin Contact Contact causes severe skin irritation and possible burns. May cause sensitization by skin contact. Harmful in contact with skin.

Ingestion Harmful if swallowed.

Additional information on toxicological effects

No information available

12 Ecological information

There are no data available on the product itself.

The product should not be allowed to enter drains or water courses.

The product does not contain any substances classified as dangerous for the environment.

13 Disposal considerations

Do not allow any drains or water courses. Wastes and empty containers should be disposed of in accordance with the your local hazardous waste regulatory authority Or as per Pollution Act and Environmental Protection Act.



Material Safety Data Sheet

SAKSHI GR 50

14 Transport information

Transport only in accordance with the following regulations:

Proper shipping name: Paint and Paint Related Products

IMDG reference	UN no	UN 3066
	Proper shipping name	Paint and Paint Related Products
	Class:	8
	Subsidiary class:	6.1
	Packing group:	III

IATA/ICAO:

UN no.:	UN 3066
Proper shipping name:	Paint and Paint Related Products
Hazard Class:	8
Packing group:	III

15 Regulatory information

The product complies with local regulations, local Pollution Control Act, Environmental Pollution Act.

16 Other information

Sources of key data used to compile Material safety data sheets of the ingredients.

Data sheet:

Prepared by: Safety, Health and Environmental Department, SAKSHI COATING PVT.LTD

Revision Date: 01/12/2018

Reason for revision: New Format.

The information on this MSDS is based upon the present state of our knowledge and on current national laws. The product should not be used for purposes other than shown in the product data sheet without first obtaining written advice.

It is always the responsibility of the user to take all necessary steps to meet the demands of applicable legislation. Copies of product data sheet are available from SAKSHI COATING PVT.LTD., on request.