

# MATERIAL SAFETY DATA

# Nippon Steel

SAFETY BULLETIN

Safety Bulletin : Nippon Steel Epoxy 141A & B

## SECTION 1- IDENTIFICATION

**PRODUCT NAME** : Nippon Steel Epoxy 141A & B

## SECTION 2- PHYSICAL

Chemical Name	CAS No.	Hazard
Diglycidyl Ether of Bisphenol-A	25068-38-6	Irritant
Mercaptan Terminated Polymer	-	Irritant
Tris 2-4-6 (Dimethylaminimethyl) Phenol	90-72-2	Harmful in contact skin And if swallowed Irritant
Bis (Dimethylaminomethyl) Phenol	71074-89-0	Harmful in contact skin and if swallowed

## SECTION 3- HAZARDS IDENTIFICATION

May cause sensitisation by skin contact – irritating to eyes, respiratory system and skin.  
Harmful by inhalation, in contact with skin and if swallowed.

## SECTION 4 – FIRST-AID MEASURES

**INHALATION** Remove to fresh air, keep warm and at rest.

**SKIN CONTACT** Remove contaminated clothing. Rinse with water and use a proprietary skin cleaner immediately.

**EYES CONTACT** Contact lenses should be removed. Rinse with plenty of water immediately, seek medical advice if necessary.

**INGESTION** Seek medical advice immediately. DO NOT induce vomiting.

## SECTION 5- FIRE-FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA** Use dry chemical powder, foam, carbon dioxide, water fog, sand or earth.

**UNSUITABLE EXTINGUISHING MEDIA** Do not use water in a jet.

## SECTION 6- ACCIDENTAL RELEASE MEASURES

- Exclude sources of ignition and ventilate the area.
- Exclude non-essential personnel. Avoid breathing vapours.
- Collect spillages mechanically and store in suitable covered container.

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**SECTION 7- HANDLING AND STORAGE**

<b>HANDLING</b>	Ensure good ventilatin during processing.
<b>PROCTECTION AGAINST FIRE / EXPLOSION</b>	General rules of fire prevention should be observed.
<b>STORAGE</b>	Keep container tightly closed and dry. Store in a well-ventilated area.

**SECTION 8- EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>INDUSTRIAL HYGIENE</b>	Remove immediately all contaminated clothing. Do not inhale vapours.
<b>HAND PROTECTION</b>	Suitable protective gloves.
<b>EYE PROTECTION</b>	Protective goggles.

**SECTION 9- STABILITY AND REACTIVITY**

**NS141A**

• Form	Viscous liquid
• Colour	Clear
• Viscosity (30°C)	6 000-8 000 cps
• Density	1.16Kg/l
• Boiling Point	>200°C
• Epoxy Molar Mass	182-197g
• Flash Point	>150°C
• Auto-Ignition Temp	>300°C
• Melting Point / Range	Viscous liquid at ambient temperature (Pure diglycidylether of diphenylolpropane melts at 43°C)
• Freezing Point	Crystals sometimes separate at room temperature
• Incompatabilities	Reacts with acids and bases
• Solubility in solvents other than water	Readily soluble in various organic solvents
• Solubility in water	Ca.9E+00mg/l at 23°C. Immiscible

**NS141B**

• Form	Viscous liquid
• Colour	Clear
• Viscosity (30°C)	9 000-12 000 cps
• Density	1.0323 kg/l
• Mercaptan hydrogen equivalent weight	270
• Flash Point	>257°C

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**SECTION 10- STABILITY AND REACTIVITY**

<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	None
<b>HAZARDOUS REACTIONS</b>	No dangerous reaction known

**SECTION 11- TOXICOLOGICAL INFORMATION**

<b>SKIN</b>	May cause sensitisation.
<b>EYES</b>	Possibly irritating.

**SECTION 12- ECOLOGICAL INFORMATION**

Large quantities of product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface water.

**SECTION 13- DISPOSAL CONSIDERATION**

Do not allow large quantities to enter the drains or water courses or dispose of where ground or surface waters may be affected. Residues in emptied containers should be covered and should be disposed of in accordance with regulations made under the control of Pollution & Environmental Protection Acts.

**SECTION 14- TRANSPORT INFORMATION**

No dangerous goods under the transport regulations.

**SECTION 15- REGULATORY INFORMATION**

The product is classified and labelled for supply in accordance with the Classification Of Hazardous Chemical. Regulations as follow :

<b>CLASSIFICATION</b>	Highly flammable Harmful Irritant to skin
<b>R-PHRASES</b> 43	May cause sensitisation by skin contact.
36 / 38	Irritant to skin.
<b>S-PHRASES</b> Z	Keep out of reach of children.
28	After contact with skin, wash immediately with plenty of water.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
27	Take off immediately all contaminated clothing.
37	Wear suitable gloves.
46	If swallowed, seek medical advice immediately and show this container or label.

**SECTION 16- OTHER INFORMATION**

The information contained in this Safety Data Sheets is based on our present state of knowledge and experience and it provides guidance in health, safety and environmental aspects. We do, however, pass them on without any warranty or property assurances.