MATERIAL SAFETY DATA

Nippon Steel

SAFETY BULLETIN

Potting Compound / Adhesive NS 211 Clear and Black

1. IDENTIFICATION

PRODUCT NAME : Nippon Steel NS 211A And Nippon Steel NS 211B

APPEARANCE : Black Liquid Clear Liquid

CHEMICAL NAME : Bisphenol A Modified Cycloaliphatic Amine

2. COMPOSITION / INFORMATION ON INGREDIENTS

NS 211A

Ingredients	CAS No.	Composition (%)
Reaction Product of Epichlorohydrin & Bisphenol A	025085-99-8	100

NS 211B

Ingredients	CAS No.	Composition (%)
Isophoronedimine	2855-13-2	>25
Benzyl Alcohol	100-51-6	>25

3. HAZARDS IDENTIFICATION

- Harmful by inhalation, in contact with skin and if swallowed.
- May cause burns & sensitization by skin contact.
- May cause slight transient (temporary) eye irritation. Corneal injury is unlikely.

4. FIRST AID MEASURES

persists,

Inhalation : Remove to fresh air, Give artificial respiration. If breathing is difficult, give oxygen. Get

immediatemedical attention.

• Skin Contact : Wash affected area thoroughly with soap and water, and remove contaminated clothing

promptly. If irritation persist, get medical attention.

• Eyes Contact : Immediately flush with plenty of low-pressure water for at least 15 minutes. If irritant

get prompt medical attention..

• Ingestion : If conscious, drink large quantities of water. Induce vomiting. Call a physician or poison

control center immediately. NEVER give anything by mouth to an unconscious person.

NEVER induce vomiting in an unconscious person.

5. FIRE FIGHTING MEASURES

Fire fighting Procedures : Evacuate area immediately. Do not fight fire.

• Extinguishing media : Deluge with large quantities of water as quickly as possible by automatic

sprinkles or fire hose from a protected location. Product is self-oxidizing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Keep away from sources of ignition. Avoid contact with skin, eyes and

clothing.

• Clean up method : Soak up with inert absorbent material. Sweep up and shovel into suitable

containers for disposal.

• Environmental Precautions : Do not wash away into sewer or waterway.

7. HANDLING AND STORAGE

• Storage Temperature : Store in a cool, dry place: approximately 68°F (20°C)

• Handling : Use only in the well-ventilated areas. Avoid contact with skin or eyes. Keep

away from heat, spark, flame and other sources of ignition. Make available in the

work areas emergency shower and eyes wash. Do not flush to sewer or

waterways.

Storage : Store in cool, dry, well-ventilated location Keep containers upright and tightly

closed when in not use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

• Engineering control : Use explosion-proof ventilation equipment.

• Respiratory Protection : Atmospheric levels should be maintained below the explosure guidelines. When

respiratory protection is required, use an approved air purifying respirator.

• Eye Protection : Safety glass, goggle, or face shield.

• Hand, Skin and Body Protection : Impervious clothing, chemical-resistant gloves, apron and impervious

boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

NS 211A NS 211B

• Specific Gravity : 1.16 1.03 ± 0.03 (approximate)

Solubility in water : None Not miscible
Flash Point : Not applicable 91°C (C.O.C.)

• Volatile (Wt.) % : Not applicable Negligible at 20°C

Vapour Pressure : Not applicable Negligible at 20°C

10. PHYSICAL HAZARD (STABILITY AND REACTIVITY)

• Stability : Stable under normal condition.

• Conditions to avoid : Keep away from heat, spark, flame and other courses of ignition.

Incompatibility (material to avoid) : Oxidizera

Hazardous decomposition product : Burning products toxic fumes, hydrogen chloride, carbon monoxide,

carbon dioxide.

• Hazardous Polymerization : Will not occur.

11. TOXICOLOGICAL INFORMATION

• Corrosive Properties : None

• Irritant Properties : Moderately irritating for skin and eye.

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.

13. <u>DISPOSAL CONSIDERATION</u>

Consider disposal via licensed waste disposal company. Scrap may be incinerated under properly controlled conditions.

Follow all Regulation in your country.

14. TRANSPORTATION

UN Haz. Class: 8 UN Number: 1760 Packaging Group: 3

15. REGULATORY INFORMATION

Ensure this material in compliance with federal requirement and ensure conformity to Local regulations.

16. OTHER INFORMATION

To the best of our knowledge, the information contained herein is based on data considered to be accurate. While the information is believed to be reliable, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Since the use of this information and the conditions and use of this product are controlled by the user, it is the user's obligation to determine the conditions of safe use of the product.