

# MATERIAL SAFETY DATA

## Nippon Steel

SAFETY BULLETIN

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Nippon Steel L3 Instant Adhesive**

Product Type: Ethyl-2-Cyanoacrylate

### 2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Ethyl cyanoacrylate	7085-85-0	85-90
Poly (methyl methacrylate)	9011-14-7	5-10
Silica, Amorphous, Fumed, Crystalline-Free	112945-52-5	5-10
Hydroquinone	123-31-9	0.1-0.5

### 3. HAZARDS IDENTIFICATION

Toxicity: Skin contact may cause burns. Bonds skin rapidly and strongly.  
Skin and eye irritant.

### 4. FIRST AID MEASURES

Ingestion: Ingestion is not likely.

Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Soak in warm water.

Eye Contact: Flush with water.

### 5. FIRE FIGHTING MEASURES

Flash Point: 150 - 200°F

Recommended

Extinguishing Agents: Carbon dioxide, foam, dry chemical

Special Firefighting Procedures: Not available

Hazardous Products formed by Fire or Thermal Decomp Irritating organic vapors

Unusual Fire or Explosion Hazards: None

### 6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak:

Flood with water to polymerize. Soak up with an inert absorbent.

### 7. HANDLING AND STORAGE

Safe Storage: Store at or below 75 deg. F

Handling: Avoid contact with skin and eyes. Avoid breathing vapor.

### 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.

Skin: Nitrile or polyethylene gloves and aprons. Do not use cotton.

Ventilation: Positive down-draft exhaust ventilation should be provided to maintain vapor concentration below TLV

Respiratory: Not available

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colourless liquid
Odor:	Sharp, irritating
Boiling Point:	More than 300°F
pH:	Does not apply
Solubility in Water:	Polymerized by water
Specific Gravity	1.05
Vapor Pressure:	Less than 0.2 mm
Vapor Density:	Approximately 3

### 10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Incompatibility:	Polymerized by contact with water, alcohols, amines, alkalies.
Conditions to Avoid:	Not available
Hazardous Decomposition Products (non-thermal):	None

### 11. TOXICOLOGICAL INFORMATION

Estimated oral LD50 more than 5000 mg/kg.  
Estimated dermal LD50 more than 2000 mg/kg.

### 12. ECOLOGICAL INFORMATION

Biodegradable products of low ecotoxicity. Does not contain and is not manufactured with any of the substances listed on the Montreal protocol

### 13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal :  
Polymerize as above. Incinerate following EPA and local regulations.

### 14. TRANSPORTATION INFORMATION

UN No.: 1993 (For ADR/RID only )  
Air (IATA ) : Not classified .  
Sea (IMO ) : Not classified .  
Road/ Rail (ADR/RID): Inflammable liquid ,Class3 ,Label No. 3 ,item No. 32 ©

### 15. REGULATORY INFORMATION

Hazard Label : Cyanoacrylate , Danger , Bond Skin in seconds ,  
Keep Out of children

### 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.