

# MATERIAL SAFETY DATA SHEET

Conforms to ISO 11014-1

## PRODUCT:

## NASCOFLUX

### 1. Product and Company Identification

Commercial name of Product:

NASCOFLUX

UN Number: 1759

C.A.S. number:

Mixture

**Manufacturer:** NATIONAL SOLDER COMPANY  
13 ARKIN STREET  
INDUSTRIES EAST  
GERMISTON  
1401

TEL No: 0118739000

FAX No: 0118254528

### 2. Composition/Information on ingredients

Substance/preparation: Mixture

Chemical name	CAS No.	%	Symbol	R-Phrases
Mono Ethylene Glycol	107-21-1	10 – 16	Xi	R20, R25, R53
Zinc Chloride		25 – 40	C, N	R20/21, R25, R34, R51
Trade Secret 1		10 – 25	Xn	R33, R40
Trade Secret 2		20 – 30	Xn	R22

### 3. Hazards identification

Physical/chemical hazards:

None.

Human health hazards:

Harmful by contact with the human skin.  
Toxic if ingested.

Environmental hazards:

Toxic to aquatic organisms.

### 4. First aid measures

#### Effects and symptoms

Inhalation:

Slightly harmful (dusts).

Skin contact:

Harmful (slightly corrosive).

Eye contact:

Hazardous (corrosive).

Aggravating conditions:

Simultaneous exposure to other harmful chemicals.

#### First aid measures

Inhalation:

Remove affected person to fresh air and allow to rest for a while.

Ingestion:

Toxic by ingestion – obtain medical aid without delay.

Skin contact:

Wash off all affected skin areas with soap and water and apply an oily-base hand cream.

Eye contact:

Check for contact lenses and remove – flush out the eyes with large quantities of fresh clean water and obtain medical aid without delay.

Note to Physician:

Treat symptomatically.

Protection of first-aiders:

Wear a surgical mask, disposable latex gloves and eye protection.

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## 5. Fire fighting measures

Suitable extinguishing media:	Product is non-flammable – use any medium suitable for surrounding materials.
Special fire-fighting procedures:	None required.
Unusual/explosion hazards:	Product is non-explosive.
Hazardous thermal decomposition products:	Carbon and Nitrogen oxides.
Protection of fire fighters:	Fire fighters should wear suitable masks, gloves, boots and protective wear.

## 6. Accidental release measures

Personal Precautions:	Wear a suitable mask, gloves, boots and protective wear.
Environmental precautions and clean-up methods:	Do not allow the product to get into water streams. Scoop up spilt product and place into a suitable container for further treatment.

## 7. Handling and storage

Handling:	Prevent children access to this product. Wear gloves when handling this product.
Storage:	Store in a cool, dry area, away from foodstuffs.
Suitable packaging materials:	Use sturdy plastic buckets or plastic bags – metal containers are unsuitable.

## 8. Explosion controls/Personal protection

Engineering controls:	Provide adequate ventilation in this product's working area.
Hygiene measurers:	Wash hands before leaving the work area or before eating or using the toilet.
Occupational exposure limits:	

Hazardous ingredients	TLV/PEL
None.	

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## 9. Physical and Chemical properties

Physical state and appearance:	Viscous non-flowing paste.
Colour:	Light yellow.
Boiling point:	>100°C
Melting point:	<0°C
Bulk density:	1.1
Solubility:	Product is freely soluble in water but emulsifies in oil.
pH:	4.0 – 5.0
Flashpoint:	The product is non-flammable.

## 10. Stability and reactivity

Stability:	The product is stable.
Conditions to avoid/ materials to avoid:	Exposure to temperatures >75°C will liquefy this product.
Hazardous reactions:	None.
Hazardous decomposition products:	Carbon and Nitrogen oxides.

## 11. Toxicological information

Acute data [LD50, LC50]  
Toxicity to test animals: Calculated for product: 350 mg/Kg, Rat, oral.

### Local effects:

Skin irritation:	Harmful (slightly corrosive)
Eye irritation:	Hazardous (corrosive)
Sensitization:	None observed
Chronic toxicity:	Not available

### Specific effects:

Carcinogenic effects:	Not available
Mutagenic effects:	Not available
Reproduction effects:	Not available

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## 12. Ecological information

Mobility:	Mobile in nature
Persistence/degradability:	Product is partially biodegradable
Bioaccumulation potential:	No information available
Ecotoxicity:	Product is toxic to aquatic organisms

## 13. Disposal considerations

### Methods of disposal

Waste or residues	Dispose using a waste disposal operator
Contaminated packaging:	Dispose using a waste disposal operator

## 14. Transport information

### International transport regulations

**UN number:** 1759

### Land - Road/Railway:

Proper shipping name:	Corrosive material, n.o.s.
ADR/RID class:	8
ADR/RID item number:	8.15
Marginal:	
Sub-marginal:	N.A.
Packing group:	III
Hazard identification number:	N.A.

### Sea:

Proper shipping name:	Corrosive material, n.o.s.
IMDG Class:	8
Marine pollutant:	Yes

### Air:

Proper shipping name:	Corrosive material, n.o.s.
UN/ID no.:	1759
IATA-DGR Class:	Not available
IATA label:	C

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## 15. Regulatory information

Hazard symbols:	C, P
Risk phrases:	R21 – Harmful in contact with the skin R25 – Toxic if swallowed R33 – Danger of cumulative effects R34 – Causes burns to soft tissue R51 – Toxic to aquatic organisms
Safety phrases:	S2 – Keep out of the reach of children
Child protection:	S13 – Store away from foodstuffs S24 – Avoid skin contact S39 – Wear suitable eye and face protection

## 16. Other information

### History

Date of issue:	2011.10.17
Version:	2.

### **E. & O.E.**

### NOTICE TO READER

#### Disclaimer

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