

## Material Safety Data Sheet

### NASCO FLUX

#### 1. Product and Company Identification

Commercial name of Product:

NASCOFLUX

UN Number:

1759

C.A.S. number:

Mixture

Manufacturer: NATIONAL SOLDER COMPANY (PTY) LTD TEL No: +27 11 873 9000

13 ARKIN STREET  
GERMISTON SOUTH  
GERMISTON  
1401  
SOUTH AFRICA

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

## 5. **Fire fighting measures**

Suitable extinguishing media:  
materials.

Product is non-flammable – use any medium suitable for surrounding

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:  
wear.

Fire fighters should wear suitable masks, gloves, boots and protective

## 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:  
unsuitable.

Use sturdy plastic buckets or plastic bags – metal containers are

## 8. **Explosion controls/Personal protection**

Engineering controls:

Provide adequate ventilation in this product's working area.

Hygiene measures:  
toilet.

Wash hands before leaving the work area or before eating or using the

## 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]	Calculated for product: 350 mg/Kg, Rat, oral.
Toxicity to test animals:	

### **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

## 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

**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

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**E. & O.E.**


### NOTICE TO READER

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National Solder Company (Pty) Ltd.  
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