



## SAFETY DATA SHEET STAINLESS STEEL PUTTY (ST) HARDENER.

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME STAINLESS STEEL PUTTY (ST) HARDENER.  
 PRODUCT NO. X0046  
 SUPPLIER ITW DEVCON  
 BAY 150  
 SHANNON INDUSTRIAL ESTATE  
 SHANNON  
 CO CLARE  
 IRELAND  
 T: +353 (0)61471299  
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### 2 HAZARDS IDENTIFICATION

Causes burns. May cause sensitisation by skin contact. Harmful in contact with skin and if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Xn;R21/22. C;R34. R43. R52/53.

#### HUMAN HEALTH

Corrosive to skin and eyes. Corrosive. Prolonged contact causes serious eye and tissue damage.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
TITANIUM DIOXIDE	236-675-5	13463-67-7	1-5%	-
TRIETHYLENETETRAMINE	203-950-6	112-24-3	30-60%	C;R34 Xn;R21 R43 R52/53

The Full Text for all R-Phrases are Displayed in Section 16

### 4 FIRST-AID MEASURES

#### GENERAL INFORMATION

Do not breathe vapour/spray. Avoid contact with eyes. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

#### INHALATION

Move the exposed person to fresh air at once. Contact physician if discomfort continues.

#### INGESTION

Do not induce vomiting. Drink plenty of water. Get medical attention.

#### SKIN CONTACT

Remove affected person from source of contamination. Wash skin thoroughly with soap and water for several minutes. Contact physician if irritation persists.

#### EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. Contact physician if irritation persists.

### 5 FIRE-FIGHTING MEASURES

## STAINLESS STEEL PUTTY (ST) HARDENER.

### EXTINGUISHING MEDIA

Fire can be extinguished using: Water. Foam, carbon dioxide or dry powder.

### SPECIAL FIRE FIGHTING PROCEDURES

Keep up-wind to avoid fumes. Keep run-off water out of sewers and water sources. Dike for water control.

### SPECIFIC HAZARDS

Avoid breathing fire vapours.

### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation.

### ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

### SPILL CLEAN UP METHODS

Dam and absorb spillages with sand, earth or other non-combustible material. Shovel into dry containers. Cover and move the containers. Flush the area with water.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Mechanical ventilation or local exhaust ventilation is required. Avoid contact with skin and eyes. Avoid eating, drinking and smoking when using the product. Observe good industrial hygiene practices.

### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
TITANIUM DIOXIDE			10 mg/m3 total dust			

### PROTECTIVE EQUIPMENT



### RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

### HAND PROTECTION

Use protective gloves made of: Rubber or plastic.

### EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

### HYGIENE MEASURES

Keep away from food, drink and animal feeding stuffs. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product. Change work clothing daily before leaving work place.

### SKIN PROTECTION

Avoid contact with skin. Protection suit must be worn.

**STAINLESS STEEL PUTTY (ST) HARDENER.****9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Viscous liquid		
COLOUR	Cream		
ODOUR	Amine.		
BOILING POINT (°C)	232	RELATIVE DENSITY	0.98 20 °C
VAPOUR PRESSURE	<0.1 mmHg	pH-VALUE, CONC. SOLUTION	10.5 @ 25 °C
FLASH POINT (°C)	>93		

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions and recommended use.

**CONDITIONS TO AVOID**

Avoid heat, flames and other sources of ignition.

**MATERIALS TO AVOID**

Avoid contact with oxidising agents. Avoid contact with acids.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Fire or high temperatures create: Nitrous gases (NOx). Oxides of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Vapours/gases/fumes of: Ammonia or amines.

**11 TOXICOLOGICAL INFORMATION**

TOXIC DOSE 1 - LD 50                      2, 000 mg/kg (oral rat)

**SKIN CONTACT**

Harmful in contact with skin. Causes burns. May cause sensitisation by skin contact. The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.

**EYE CONTACT**

May cause severe irritation to eyes.

**HEALTH WARNINGS**

Causes burns.

**ROUTE OF ENTRY**

Inhalation. Ingestion. Skin absorption.

**TARGET ORGANS**

Prolonged or repeated contact: Liver. Kidneys. Respiratory system, lungs. Central nervous system.

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

Avoid release to the environment. The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

**DEGRADABILITY**

Do not allow ANY environmental contamination. Do not allow to enter drains, sewers or watercourses.

**WATER HAZARD CLASSIFICATION**

WGK 2

**13 DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

**WASTE CLASS**

08 04 99

**STAINLESS STEEL PUTTY (ST) HARDENER.**

**14 TRANSPORT INFORMATION**



UK ROAD CLASS	8	UK ROAD PACK GR.	II
PROPER SHIPPING NAME	TRIETHYLENETETRAMINE		
UN NO. ROAD	2259	ADR CLASS	Class 8: Corrosive substances.
ADR CLASS NO.	8	HAZARD No. (ADR)	80
ADR PACK GROUP	II	HAZCHEM CODE	2X
ADR LABEL NO.	8	RID CLASS NO.	8
CEFIC TEC(R) NO.	80GC7-II+III	UN NO. SEA	2259
RID PACK GROUP	II	IMDG PACK GR.	II
IMDG CLASS	8	MFAG	See Guide
EMS	F-A, S-B	UN NO. AIR	2259
MARINE POLLUTANT	No.	AIR PACK GR.	II
AIR CLASS	8		

**15 REGULATORY INFORMATION**

LABELLING



Corrosive



Harmful

CONTAINS TRIETHYLENETETRAMINE

RISK PHRASES

R34	Causes burns.
R21/22	Harmful in contact with skin and if swallowed.
R43	May cause sensitisation by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

**16 OTHER INFORMATION**

REVISION DATE	08/10/2008
REV. NO./REPL. SDS GENERATED	12
DATE	06.01.05

## STAINLESS STEEL PUTTY (ST) HARDENER.

### RISK PHRASES IN FULL

NC	Not classified.
R21	Harmful in contact with skin.
R34	Causes burns.
R43	May cause sensitisation by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.