



## SAFETY DATA SHEET WEARGUARD FINE LOAD HARDENER

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name WEARGUARD FINE LOAD HARDENER  
Product No. 11470H

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Hardener.

#### 1.3. Details of the supplier of the safety data sheet

Supplier ITW DEVCON  
BAY 150  
SHANNON INDUSTRIAL ESTATE  
SHANNON  
CO CLARE  
IRELAND  
T: +353 (0)61471299  
F: 353(0)61471285  
info@itwippe.eu

#### 1.4. Emergency telephone number

+44 (0) 1235 239670

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (1999/45/EEC) R43.

#### 2.2. Label elements

Contains PARAFORMALDEYDE, OLIGOMERIC REACTION PRODUCTS WITH 4-TERT-BUTYLPHENOL, P-N  
ONYLPHENOL, M -PHENYLENEBIS(METHYLAMINE) AND TRIMETHYLHEXA

Labelling



Irritant

Risk Phrases

R43 May cause sensitisation by skin contact.

#### 2.3. Other hazards

This product does not contain any PBT or vPvB substances.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

ALUMINOSILICATE	60-100%
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.

## WEARGUARD FINE LOAD HARDENER

PARAFORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 4-TERT-BUTYLPHENOL, P-NONYLPHENOL, M-PHENYLENEBIS(METHYLAMINE) AND TRIMETHYLHEXA		10-30%
CAS-No.: 161278-27-9	EC No.:	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xn;R20/22. C;R34. R43,R52/53.	
TITANIUM DIOXIDE		1-5%
CAS-No.: 13463-67-7	EC No.: 236-675-5	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: FIRST AID MEASURES

#### **4.1. Description of first aid measures**

##### General information

Avoid contact with skin and 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. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.

##### Ingestion

DO NOT INDUCE VOMITING! Drink plenty of water. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Get medical attention immediately!

##### Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

##### Eye contact

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

#### **4.2. Most important symptoms and effects, both acute and delayed**

##### General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

### SECTION 5: FIREFIGHTING MEASURES

#### **5.1. Extinguishing media**

##### Extinguishing media

Fire can be extinguished using: Water spray. Carbon dioxide (CO2). Dry chemicals. Foam.

#### **5.2. Special hazards arising from the substance or mixture**

##### Specific hazards

Avoid breathing fire vapours.

#### **5.3. Advice for firefighters**

##### Special Fire Fighting Procedures

Keep up-wind to avoid fumes. Avoid water in straight hose stream; will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control.

Protective equipment for fire-fighters

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

### SECTION 6: ACCIDENTAL RELEASE MEASURES

# WEARGUARD FINE LOAD HARDENER

## 6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Do not smoke, use open fire or other sources of ignition. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes. In case of inadequate ventilation, use respiratory protection.

## 6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

## 6.3. Methods and material for containment and cleaning up

Absorb spillage with non-combustible, absorbent material. Transfer to a container for disposal. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

## 6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Provide good ventilation. Do not use in confined spaces without adequate ventilation and/or respirator. Keep away from heat, sparks and open flame. Avoid contact with skin and eyes. Do not eat, drink or smoke when using the product. Observe good chemical hygiene practices.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
TITANIUM DIOXIDE			10 mg/m <sup>3</sup> total dust			

#### Ingredient Comments

No exposure limits noted for ingredient(s).

### 8.2. Exposure controls

#### Protective equipment



#### Process conditions

Provide eyewash, quick drench.

#### Engineering measures

Provide adequate general and local exhaust ventilation.

#### Respiratory equipment

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

#### Hand protection

Use protective gloves. Rubber gloves are recommended.

#### Eye protection

Wear approved safety goggles.

#### Hygiene measures

Keep away from food, drink and animal feeding stuffs. Wash at the end of each work shift and before eating, smoking and using the toilet.

Wash promptly if skin becomes wet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

#### Skin protection

Protection suit must be worn.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

# WEARGUARD FINE LOAD HARDENER

## 9.1. Information on basic physical and chemical properties

Appearance	Paste
Colour	White. Ammonia.
Solubility	Slightly soluble in water.
Initial boiling point and boiling range	>176
Melting point (°C)	N/D
Relative density	2.25
pH-Value, Conc. Solution	10.5
Flash point (°C)	>121
Flammability Limit - Lower(%)	N/D
Flammability Limit - Upper(%)	N/D

## 9.2. Other information

Not available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Acids. Strong oxidising substances.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

Not available.

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

### 10.5. Incompatible materials

Materials To Avoid

Avoid contact with acids and oxidising substances.

### 10.6. Hazardous decomposition products

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

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Skin contact

Causes burns. Corrosive. Prolonged contact causes serious tissue damage. May cause sensitisation by skin contact. Risk of sensitisation or allergic reactions among sensitive individuals.

Eye contact

Causes burns. Strongly corrosive. Causes severe burns. Immediate first aid is imperative. Risk of serious damage to eyes.

Health Warnings

This substance is corrosive. This chemical may cause skin/eye irritation and burns (corrosive).

Name

ALUMINOSILICATE

## SECTION 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.

### 12.1. Toxicity

Acute Fish Toxicity

Not considered toxic to fish.

### 12.2. Persistence and degradability

Degradability

There are no data on the degradability of this product.

## WEARGUARD FINE LOAD HARDENER

### **12.3. Bioaccumulative potential**

Bioaccumulative potential

No data available on bioaccumulation.

### **12.4. Mobility in soil**

Mobility:

Do not discharge into drains, water courses or onto the ground.

### **12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

### **12.6. Other adverse effects**

Not available.

## SECTION 13: DISPOSAL CONSIDERATIONS

General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

### **13.1. Waste treatment methods**

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

Waste Class

08 04 99

## SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### **14.1. UN number**

No information required.

### **14.2. UN proper shipping name**

No information required.

### **14.3. Transport hazard class(es)**

No information required.

### **14.4. Packing group**

No information required.

### **14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant

No.

### **14.6. Special precautions for user**

No information required.

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No information required.

## SECTION 15: REGULATORY INFORMATION

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

Water hazard classification

WGK 1

### **15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

## WEARGUARD FINE LOAD HARDENER

Revision Date	30/08/2011
Revision	9
Supersedes date	18/01/2011
Date	30/08/2011

### Risk Phrases In Full

R34	Causes burns.
R20/22	Harmful by inhalation and if swallowed.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R43	May cause sensitisation by skin contact.
NC	Not classified.

### 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.