# **ITW** Engineered Polymers

# SAFETY DATA SHEET PLASTIC STEEL 5 MINUTE PUTTY (SF) RESIN

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name PLASTIC STEEL 5 MINUTE PUTTY (SF) RESIN

Product number X0005

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

Identified uses Resin.

1.3. Details of the supplier of the safety data sheet

ITW Engineered Polymers Supplier

Bay 150

Shannon Industrial Estate

Shannon Co. Clare

+353 (0)61 471 299 +353 (0)61 471 285 mail@itwep.com

1.4. Emergency telephone number

**Emergency telephone** +44(0)1235 239 670 (24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Not Classified Physical hazards

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317

**Environmental hazards** Aquatic Chronic 2 - H411

Classification (67/548/EEC or Xi;R36/38. R43. N;R51/53.

1999/45/EC)

Human health The product contains an epoxy resin. May cause sensitisation or allergic reactions in sensitive

individuals.

2.2. Label elements

**Pictogram** 





Signal word Warning

# PLASTIC STEEL 5 MINUTE PUTTY (SF) RESIN

**Hazard statements** H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements** P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P264 Wash contaminated skin thoroughly after handling.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

Supplemental label

information

EUH205 Contains epoxy constituents. May produce an allergic reaction.

Contains EPOXY RESIN (Number average MW <= 700)

Supplementary precautionary

statements

P261 Avoid breathing vapour/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with national regulations.

#### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

#### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

#### EPOXY RESIN (Number average MW <= 700)

10-30%

CAS number: 25068-38-6 EC number: 500-033-5 REACH registration number: 01-

2119456619-26-0000

Classification Classification (67/548/EEC or 1999/45/EC)

Skin Irrit. 2 - H315 R43 Xi:R36/38 N:R51/53

Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411

CARBON BLACK <1%

CAS number: 1333-86-4

Classification Classification (67/548/EEC or 1999/45/EC)

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

# PLASTIC STEEL 5 MINUTE PUTTY (SF) RESIN

General information Avoid contact with skin and eyes. In case of accident or if you feel unwell, seek medical

advice immediately (show the label where possible).

**Inhalation** Move affected 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** Rinse mouth thoroughly with water. Do not induce vomiting. If vomiting occurs, the head

should be kept low so that vomit does not enter the lungs. If vomiting occurs, the head should

be kept low so that vomit does not enter the lungs. Get medical attention immediately.

Skin contact Remove affected person from source of contamination. Wash skin thoroughly with soap and

water. Get medical attention if irritation persists after washing.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15

minutes and get medical attention. Get medical attention if irritation persists after washing.

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

General information The severity of the symptoms described will vary dependent on the concentration and the

length of exposure.

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

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

#### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with foam, carbon dioxide or dry powder.

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

Specific hazards Irritating gases or vapours.

#### 5.3. Advice for firefighters

Protective actions during

firefighting

Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes. Control run-off water by

containing and keeping it out of sewers and watercourses.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing.

#### SECTION 6: Accidental release measures

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

Personal precautions Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this

safety data sheet. Provide adequate ventilation.

#### 6.2. Environmental precautions

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses. Spillages or uncontrolled

discharges into watercourses must be reported immediately to the Environmental Agency or

other appropriate regulatory body.

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

Methods for cleaning up

Absorb spillage with sand or other inert absorbent. Collect and place in suitable waste

disposal containers and seal securely. Containers with collected spillage must be properly

labelled with correct contents and hazard symbol.

#### 6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet.

# PLASTIC STEEL 5 MINUTE PUTTY (SF) RESIN

#### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Usage precautions Use only in well-ventilated areas. Handle and open container with care. Provide adequate

> ventilation. Keep away from heat, sparks and open flame. Do not eat, drink or smoke when using the product. Do not use in confined spaces without adequate ventilation and/or

respirator. Good personal hygiene procedures should be implemented.

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

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

7.3. Specific end use(s)

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

#### Occupational exposure limits

#### **CARBON BLACK**

Long-term exposure limit (8-hour TWA):

Ingredient comments No exposure limits known for ingredient(s).

#### 8.2. Exposure controls

#### Protective equipment







Appropriate engineering

controls

Provide adequate general and local exhaust ventilation.

Eye/face protection Eyewear complying with an approved standard should be worn if a risk assessment indicates

eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection Wear protective gloves made of the following material: Rubber or plastic. It is recommended

that gloves are made of the following material: Butyl rubber.

Other skin and body

protection

Avoid contact with skin. Wear chemical protective suit.

Hygiene measures Provide eyewash station and safety shower. Keep away from food, drink and animal feeding

> stuffs. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Do not eat, drink or smoke when using the product. Change work clothing daily before leaving

workplace.

Respiratory protection If ventilation is inadequate, suitable respiratory protection must be worn.

#### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

**Appearance** Paste.

Colour Dark. Grey.

Odour Slight.

Hq pH (concentrated solution): 7.0 @ 20 °C

# PLASTIC STEEL 5 MINUTE PUTTY (SF) RESIN

Melting point n/d°C

Initial boiling point and range >260.°C @

Flash point > 204°C

**Evaporation rate** <<1 ( butyl acetate =1 )

Vapour pressure 0.03mmHg @ °C

Vapour density >1

Relative density 2.80 @ 20 °C °C

Solubility(ies) Slightly soluble in water.

Auto-ignition temperature >300°C

9.2. Other information

Other information Not available.

#### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** Strong oxidising agents. Acids. Amines.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

Not available.

#### 10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods

of time. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid Avoid contact with the following materials: Strong oxidising agents. Strong acids. Amines.

#### 10.6. Hazardous decomposition products

Hazardous decomposition

products

Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Fire or high temperatures create: Vapours/gases/fumes of:

Aldehydes.

#### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Skin contact Irritating to skin. May cause sensitisation by skin contact. The product contains a small

amount of sensitising substance. May cause sensitisation or allergic reactions in sensitive

individuals.

**Eye contact** Irritating to eyes.

Acute and chronic health

hazards

The product contains an epoxy resin. May cause sensitisation or allergic reactions in sensitive

individuals.

Route of entry Inhalation Ingestion. Skin and/or eye contact

# PLASTIC STEEL 5 MINUTE PUTTY (SF) RESIN

#### SECTION 12: Ecological Information

**Ecotoxicity** Avoid releasing into the environment. The product contains a substance which is toxic to

aquatic organisms and which may cause long-term adverse effects in the aquatic

environment.

12.1. Toxicity

**Toxicity** Very toxic to aquatic organisms.

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

12.4. Mobility in soil

**Mobility** Do not discharge into drains or watercourses or onto the ground.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not available.

#### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be

considered.

**Disposal methods**Dispose of waste to licensed waste disposal site in accordance with the requirements of the

local Waste Disposal Authority.

Waste class 08 04 99

#### SECTION 14: Transport information

**General** No other information known.

14.1. UN number

UN No. (ADR/RID) 3082 UN No. (IMDG) 3082 UN No. (ICAO) 3082

14.2. UN proper shipping name

Proper shipping name

(ADR/RID)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN

(Number average MW <= 700))

Proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN

(IMDG) (Number average MW <= 700 ))

Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN

(Number average MW <= 700))

# PLASTIC STEEL 5 MINUTE PUTTY (SF) RESIN

Proper shipping name (ADN) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ))

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

ADR/RID class 9

ADR/RID subsidiary risk

ADR/RID label 9

IMDG class 9

IMDG subsidiary risk

ICAO class/division 9

ICAO subsidiary risk

Transport labels



#### 14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



#### 14.6. Special precautions for user

EmS F-A, S-F

Emergency Action Code •3Z

Hazard Identification Number 90

(ADR/RID)

Tunnel restriction code (E)

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

Transport in bulk according to No information required.

Annex II of MARPOL 73/78

and the IBC Code

#### 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 (as

amended).

Water hazard classification WGK 2

# PLASTIC STEEL 5 MINUTE PUTTY (SF) RESIN

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### SECTION 16: Other information

Revision date 14/05/2015

Revision 12

Supersedes date 12/04/2014

Risk phrases in full NC Not classified.

R36/38 Irritating to eyes and skin.

R43 May cause sensitisation by skin contact.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

Hazard statements in full H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

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.

# **ITW** Engineered Polymers

# SAFETY DATA SHEET PLASTIC STEEL 5-MINUTE PUTTY(SF) HARDENER.

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name PLASTIC STEEL 5-MINUTE PUTTY(SF) HARDENER.

Product number X0015

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 Engineered Polymers

Bay 150

Shannon Industrial Estate

Shannon Co. Clare

+353 (0)61 471 299 +353 (0)61 471 285 mail@itwep.com

1.4. Emergency telephone number

**Emergency telephone** +44(0)1235 239 670 (24h)

### SECTION 2: Hazards identification

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

Classification

Physical hazards Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319

Environmental hazards Not Classified

**Environmental** The product is not expected to be hazardous to the environment.

2.2. Label elements

**Pictogram** 



Signal word Warning

Hazard statements H315 Causes skin irritation.

H319 Causes serious eye irritation.

# PLASTIC STEEL 5-MINUTE PUTTY(SF) HARDENER.

**Precautionary statements** P264 Wash contaminated skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

Contains 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

#### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

#### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

#### 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

5-10%

CAS number: 90-72-2 EC number: 202-013-9

Classification Classification (67/548/EEC or 1999/45/EC)

Skin Corr. 1B - H314 Xn;R22 Xi;R36/38

Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Chronic 3 - H412

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 In case of accident or if you feel unwell, seek medical advice immediately (show the label

where possible).

**Inhalation** Move affected person to fresh air at once. Get medical attention if any discomfort continues.

**Ingestion** Do not induce vomiting. Give plenty of water to drink. Get medical attention.

Skin contact Remove affected person from source of contamination. Wash skin thoroughly with soap and

water. Get medical attention if irritation persists after washing.

**Eye contact** Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15

minutes and get medical attention. Get medical attention if irritation persists after washing.

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

General information The severity of the symptoms described will vary dependent on the concentration and the

length of exposure.

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

Notes for the doctor 
No specific recommendations. If in doubt, get medical attention promptly.

#### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Extinguish with alcohol-resistant foam, carbon dioxide,

dry powder or water fog.

# PLASTIC STEEL 5-MINUTE PUTTY(SF) HARDENER.

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

**Specific hazards** Avoid breathing fire gases or vapours.

5.3. Advice for firefighters

Protective actions during

firefighting

Keep up-wind to avoid fumes. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing.

#### SECTION 6: Accidental release measures

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

Personal precautions Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this

safety data sheet.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid or minimise the creation of any environmental contamination. Spillages or uncontrolled

discharges into watercourses must be reported immediately to the Environmental Agency or

other appropriate regulatory body.

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

Methods for cleaning up Contain and absorb spillage with sand, earth or other non-combustible material. Collect and

place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush

contaminated area with plenty of water.

#### 6.4. Reference to other sections

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

**Usage precautions**Use only in well-ventilated areas. Avoid contact with skin and eyes.

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

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

7.3. Specific end use(s)

**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

**Ingredient comments** No exposure limits known for ingredient(s).

#### 8.2. Exposure controls

#### Protective equipment







Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

# PLASTIC STEEL 5-MINUTE PUTTY(SF) HARDENER.

**Eye/face protection** Eyewear complying with an approved standard should be worn if a risk assessment indicates

eye contact is possible. The following protection should be worn: Chemical splash goggles.

**Hand protection** Use protective gloves.

Other skin and body

protection

Wear apron or protective clothing in case of contact.

Hygiene measures Provide eyewash station and safety shower. Good personal hygiene procedures should be

implemented. Wash hands and any other contaminated areas of the body with soap and

water before leaving the work site. When using do not eat, drink or smoke.

**Respiratory protection** If ventilation is inadequate, suitable respiratory protection must be worn.

#### **SECTION 9: Physical and Chemical Properties**

#### 9.1. Information on basic physical and chemical properties

Appearance Paste.

Colour White/off-white.

Odour Amine.

pH (concentrated solution): 9.5 @ 20 °C

Melting point n/d°C

Initial boiling point and range >260°C @

Flash point >149°C

Vapour pressure <1 mmHg @ °C

Relative density 1.52 @ 20 °C°C

Solubility(ies) Insoluble in water.

9.2. Other information

Other information Not available.

#### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** Strong oxidising agents.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

## 10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

Not available.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods

of time.

10.5. Incompatible materials

Materials to avoid Avoid contact with oxidising agents. Nitrous acid and other nitrosating agents.

#### 10.6. Hazardous decomposition products

# PLASTIC STEEL 5-MINUTE PUTTY(SF) HARDENER.

Hazardous decomposition

products

Fire or high temperatures create: Nitrous gases (NOx). Oxides of the following substances: Carbon monoxide (CO). Carbon dioxide (CO2). Vapours/gases/fumes of: Ammonia or

#### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Skin contact Skin irritation should not occur when used as recommended.

# SECTION 12: Ecological Information

**Ecotoxicity** Do not release into the environment. Do not discharge into drains or watercourses or onto the

ground.

12.1. Toxicity

**Toxicity** Not considered toxic to fish.

#### 12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

12.4. Mobility in soil

Mobility Not considered mobile.

# 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

assessment

This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

Other adverse effects Not available.

#### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be

considered.

**Disposal methods**Dispose of waste to licensed waste disposal site in accordance with the requirements of the

local Waste Disposal Authority.

**Waste class** 08 04 99

#### SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods

(IMDG, IATA, ADR/RID).

#### 14.1. UN number

No information required.

UN No. (IMDG)

UN No. (ICAO)

## 14.2. UN proper shipping name

# PLASTIC STEEL 5-MINUTE PUTTY(SF) HARDENER.

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

Transport in bulk according to No information required.

Annex II of MARPOL 73/78

and the IBC Code

#### 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 (as

amended).

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### SECTION 16: Other information

Revision date 14/05/2015

Revision 10

Supersedes date 12/04/2014

Risk phrases in full NC Not classified.

R22 Harmful if swallowed. R36/38 Irritating to eyes and skin.

Hazard statements in full H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage. H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

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.