

# SAFETY DATA SHEET Composite Welder Adhesive

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

#### 1.1. Product identifier

Product name Composite Welder Adhesive

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

Identified uses Adhesive.

# 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@itwppe.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) C;R34. Xi;R37. R43. F;R11.

2.2. Label elements

Contains METHYL METHACRYLATE

Labelling





Corrosive Highly flammable

Risk Phrases

R34 Causes burns.

R37 Irritating to respiratory system.

R43 May cause sensitisation by skin contact.

R11 Highly flammable

# 2.3. Other hazards

This product does not contain any PBT or vPvB substances.

# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

# 3.2. Mixtures

METHACRYLIC ACID

CAS-No.: 79-41-4

EC No.: 201-204-4

Classification (EC 1272/2008)

Acute Tox. 4 - H302

Acute Tox. 4 - H312

Skin Corr. 1A - H314

METHYL METHACRYLATE 30-60%

CAS-No.: 80-62-6 EC No.: 201-297-1

Classification (EC 1272/2008) Classification (67/548/EEC)

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

STOT Single 3 - H335

Do not breathe vapour/spray. 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. 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.

#### 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

Extinguish with foam, carbon dioxide or dry powder.

# 5.2. Special hazards arising from the substance or mixture

Specific hazards

Highly flammable Avoid breathing fire vapours. May travel considerable distance to source of ignition and flash back. Polymerises generating heat.

## 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. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

Protective equipment for fire-figthers

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

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Warn everybody of potential hazards and evacuate if necessary. Remove sources of ignition. Avoid inhalation of spray mist and 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

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.

#### 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. See section 11 for additional information on health hazards.

#### **SECTION 7: HANDLING AND STORAGE**

#### 7.1. Precautions for safe handling

Use only in well-ventilated areas. Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Do not breathe vapour. Avoid contact with skin and eyes. Take precautionary measures against static discharges. Storage tanks and other containers must be grounded. Do not smoke, use open fire or other sources of ignition. 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. Keep away from heat, sparks and open flame.

#### 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
METHACRYLIC ACID	WEL	20 ppm	72 mg/m3	40 ppm	143 mg/m3	
METHYL METHACRYLATE	WEL	50 ppm	208 mg/m3	100 ppm	416 mg/m3	

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

## 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 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

Wear apron or protective clothing in case of contact.

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

Appearance Paste

Colour White / off-white.
Odour Slightly pungent odour.

Initial boiling point and boiling range 101

Melting point (°C) -47.7

Relative density 0.96 25 °C

Evaporation rate 3 (butyl acetate =1) pH-Value, Conc. Solution 6 > 7 @ 200C

Viscosity 100, 000-125, 000 cps 25

Flash point (°C) 10
Flammability Limit - Lower(%) 1.7
Flammability Limit - Upper(%) 12.5

## 9.2. Other information

Not available

# **SECTION 10: STABILITY AND REACTIVITY**

## 10.1. Reactivity

Reaction with: Strong oxidising agents. Strong reducing agents. Strong alkalis.

# 10.2. Chemical stability

May polymerise.

# 10.3. Possibility of hazardous reactions

Hazardous Polymerisation

May polymerise.

#### 10.4. Conditions to avoid

Heating will generate vapours which may form explosive vapour/air mixtures. 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 oxidisers or reducing agents. Bases, alkalis (inorganic). Bases, alkalis (organic).

# 10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

# 11.1. Information on toxicological effects

Toxic Dose 1 - LD 50 >2, 000 mg/kg (oral rat)

Inhalation

Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea. In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects.

Ingestion

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Irritating. May cause nausea, stomach pain and vomiting.

Skin contact

May be absorbed through the skin. Irritating to skin. Prolonged and frequent contact may cause redness and irritation. May cause sensitisation by skin contact. Risk of sensitisation or allergic reactions among sensitive individuals.

Eye contact

Irritating to eyes. Risk of corneal damage.

**Target Organs** 

Prolonged or repeated exposure may cause: May cause damage to the liver and kidneys. Respiratory system, lungs Central nervous system Prolonged or repeated inhalation may cause: May cause an asthma-like shortness of breath.

Name METHACRYLIC ACID
Toxic Dose 1 - LD 50 1060 mg/kg (oral rat)

# **SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity** 

Avoid release to the environment.

#### 12.1. Toxicity

Acute Fish Toxicity

Not considered toxic to fish.

## 12.2. Persistence and degradability

Degradability

Methyl methacrylate monomer: Biochemical oxygen demand within 5 days (BOD5) = .14 g/g - 0.9 g/g.

#### 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 09

# **SECTION 14: TRANSPORT INFORMATION**

General No other information noted.

14.1. UN number

UN No. (ADR/RID/ADN) 1133 UN No. (IMDG) 1133 UN No. (ICAO) 1133

# 14.2. UN proper shipping name

Proper Shipping Name ADHESIVES

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

ADR/RID/ADN Class 3

ADR/RID/ADN Class Class 3: Flammable liquids.

ADR Label No. 3
IMDG Class 3
ICAO Class/Division 3

Transport Labels



#### 14.4. Packing group

ADR/RID/ADN Packing group II
IMDG Packing group II
ICAO Packing group II

# 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant No.

#### 14.6. Special precautions for user

EMS F-E, S-D
Emergency Action Code •3YE
Hazard No. (ADR) 33
Tunnel Restriction Code (D/E)

## 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 WGH Nr. 154

# 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

# **SECTION 16: OTHER INFORMATION**

Revision Date 08/05/2012

Revision 5

 Supersedes date
 20/05/2011

 Date
 30/08/2011

Risk Phrases In Full

R35 Causes severe burns.

R21/22 Harmful in contact with skin and if swallowed.

R11 Highly flammable

R37/38 Irritating to respiratory system and skin.

R37 Irritating to respiratory system.

R43 May cause sensitisation by skin contact.

Hazard Statements In Full	
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.

#### 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.

Supersedes date 30/08/2011



# SAFETY DATA SHEET Composite Welder Activator

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

1.1. Product identifier

Product name Composite Welder Activator

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

Identified uses Activator.

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

Supplier ITW DEVCON

Unit 3 Shipton Way Express Business Park Northampton Road, Rushden

Northants NN10 6GL

T: 0044(0)870 458 7588 F:0044(0)870 458 9077 info@itwppe.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) Xi;R36/38. R43. R52/53.

2.2. Label elements

Contains EPOXY RESIN (Number average MW <= 700 )

p(BD/MMA/STY)

Labelling



Irritant

Risk Phrases

R36/38 Irritating to eyes and skin.

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

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek

medical advice.

S37 Wear suitable gloves.

S60 This material and its container must be disposed of as hazardous waste.
P5 Contains epoxy constituents. See information supplied by the manufacturer.

## 2.3. Other hazards

This product does not contain any PBT or vPvB substances.

# **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

## 3.2. Mixtures

BENZOYL PEROXIDE			10-30%
CAS-No.: 94-36-0	EC No.: 202-327-6		
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Org. Perox. B - H241		E;R3	
Eye Irrit. 2 - H319		O;R7	
Skin Sens. 1 - H317		Xi;R36	
		R43	

EPOXY RESIN (Number average MW <= 700 ) 10-30%

CAS-No.: 25068-38-6 EC No.: 500-033-5

Classification (EC 1272/2008) Classification (67/548/EEC)
Skin Irrit. 2 - H315 R43
Eye Irrit. 2 - H319 Xi;R36/38
Skin Sens. 1 - H317 N;R51/53
Aquatic Chronic 2 - H411

p(BD/MMA/STY)

CAS-No.: 25053-09-2 EC No.:

Classification (EC 1272/2008)
Not classified.

Classification (67/548/EEC)
Xi;R36/38.
R43.

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 label where possible).

Inhalation

Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. Get medical attention if any discomfort continues.

Ingestion

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink plenty of water. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention immediately! Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Contact physician if irritation continues.

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.

#### 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: Carbon dioxide (CO2). Dry chemicals. Foam. Water spray.

# 5.2. Special hazards arising from the substance or mixture

Specific hazards

In case of fire, toxic gases may be formed.

#### 5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Keep up-wind to avoid fumes.

Protective equipment for fire-figthers

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

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

# 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

Do not 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. See section 11 for additional information on health hazards.

#### **SECTION 7: HANDLING AND STORAGE**

#### 7.1. Precautions for safe handling

Provide good ventilation. Keep away from heat, sparks and open flame. Handle and open container with care. Avoid contact with skin and eyes. Do not eat, drink or smoke when using the product. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

# 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame.

#### 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
BENZOYL PEROXIDE	WEL		5 mg/m3			

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

#### 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. Chemical resistant gloves required for prolonged or repeated contact.

Eve protection

Wear approved safety goggles.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

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.

When using do not eat, drink or smoke. Wash promptly if skin becomes wet.

Skin protection

Protection suit must be worn.

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

Appearance Liquid

Colour Blue. or Clear Odour Slight odour.

Solubility Slightly soluble in water.

Initial boiling point and boiling range N/D
Melting point (°C) N/D
Relative density 1.0-1.25
Vapour density (air=1) N/D
Vapour pressure N/D

Evaporation rate <<1( BuAc=1)
pH-Value, Diluted Solution ~7 5% Soln

# 9.2. Other information

Not available.

Volatile By Vol. (%) <4

# **SECTION 10: STABILITY AND REACTIVITY**

## 10.1. Reactivity

Strong oxidising substances.

# 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

# 10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Will not polymerise.

#### 10.4. 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

Strong mineral acids. Strong oxidising substances. Bases, alkalis (organic). Amines.

#### 10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Aldehydes. Acids.

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

#### 11.1. Information on toxicological effects

Toxic Dose 1 - LD 50 >5000 mg/kg (oral rat)

Inhalation

Not relevant at normal room temperatures. When heated, irritating vapours may be formed.

Ingestion

Nausea, vomiting. Diarrhoea.

Skin contact

Irritating to skin. May cause sensitisation by skin contact. Prolonged or repeated exposure may cause severe irritation. Risk of sensitisation or allergic reactions among sensitive individuals.

Eye contact

Irritating to eyes. Irritating and may cause redness and pain.

Health Warnings

Preparation contains an epoxy resin, which may cause sensitisation and development of allergy.

Name BENZOYL PEROXIDE

Toxic Conc. - LC 50 >22.4 mg/l/4h (inh-rat)

#### **SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity** 

Avoid releasing to the environment. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 12.1. Toxicity

Acute Fish Toxicity

Not considered toxic to fish.

LC 50, 96 Hrs, Fish mg/l BPO:96 hr, LC50 GUPPY (SEMI-STATIC)=2.0 mg/l

# 12.2. Persistence and degradability

Degradability

The degradability of the product has not been stated.

#### 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

General

# **SECTION 14: TRANSPORT INFORMATION**

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

Road Transport Notes Not Classified
Rail Transport Notes Not classified.

Sea Transport Notes Not classified. Do not release into the environment.

Air Transport Notes Not classified.

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. Transport Labels

No transport warning sign 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 2

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## **SECTION 16: OTHER INFORMATION**

Revision Date 08/05/2012

Revision 4

 Supersedes date
 30/08/2011

 Date
 30/08/2011

Risk Phrases In Full

R3 Extreme risk of explosion by shock, friction, fire or other sources of ignition.

R36/38 Irritating to eyes and skin.

R36 Irritating to eyes. R7 May cause fire.

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

H241 Heating may cause a fire or explosion.

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.

