

ITW Polymers Europe

SAFETY DATA SHEET PHILLYBOND ORANGE SEALANT HARDENER

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

1.1. Product identifier

Product name PHILLYBOND ORANGE SEALANT HARDENER
Product No. 3280U

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 Polymers Europe
Bay 150
Shannon Industrial Estate
Co. Clare
Ireland
353(61)471299
353(61)471285
mail@itwpe.com

1.4. Emergency telephone number

+44(0)1235 239 670 (24h)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xn;R22. Repr. Cat. 3;R62, R63. C;R34. R43. N;R51/53.

2.2. Label elements

Contains 4-NONYLPHENOL, Branched
4-TERT.BUTYL PHENOL
m-XYLYLENEDIAMINE
TRIMETHYLHEXAMETHYLENEDIAMINE

Labelling



Corrosive



Harmful



Dangerous for the environment

Risk Phrases

R22	Harmful if swallowed.
R34	Causes burns.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.
R63	Possible risk of harm to the unborn child.

Safety Phrases

S25	Avoid contact with eyes.
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).
S57	Use appropriate containment to avoid environmental contamination.
S60	This material and its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

4-NONYLPHENOL, Branched	10-30%
CAS-No.: 84852-15-3	EC No.: 284-325-5
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Corr. 1B - H314 Repr. 2 - H361fd Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Repr. Cat. 3;R62,R63 C;R34 Xn;R22 N;R50/53

PHILLYBOND ORANGE SEALANT HARDENER

4-TERT.BUTYL PHENOL	1-10%
CAS-No.: 98-54-4	EC No.: 202-679-0
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xi;R36/37/38. N;R51/53. R43.
BENZYL ALCOHOL	10-30%
CAS-No.: 100-51-6	EC No.: 202-859-9
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H332	Classification (67/548/EEC) Xn;R20/22
CYCLOALIPHATIC AMINE	10-30%
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xn;R22. Xi;R36/38.
m-XYLYLENEDIAMINE	1-10%
CAS-No.: 1477-55-0	EC No.: 216-032-5
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Corr. 1A - H314 Skin Sens. 1 - H317 Aquatic Chronic 3 - H412	Classification (67/548/EEC) Xn;R20/22. C;R35. R52/53,R43.
TRIMETHYLHEXAMETHYLENEDIAMINE	10-30%
CAS-No.: 25620-58-0	EC No.:
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xn;R22. C;R34. R43,R52/53.

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. If respiratory problems, artificial respiration/oxygen. Avoid vomiting and normal rinse of stomach because of risk of aspiration. Get medical attention.

Ingestion

DO NOT INDUCE VOMITING! DO NOT induce vomiting. Get medical attention immediately. Get medical attention immediately!

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention immediately!

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital. Bring these instructions.

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 alcohol-resistant foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Delayed, often serious breathing problems.

Specific hazards

Carbon monoxide (CO). Organic nitro compounds.

PHILLYBOND ORANGE SEALANT HARDENER

5.3. Advice for firefighters

Special Fire Fighting Procedures

Wear air-supplied mask in confined areas. Cool containers exposed to flames with water until well after the fire is out.

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

6.1. Personal precautions, protective equipment and emergency procedures

DO NOT TOUCH SPILLED MATERIAL! Eliminate all sources of ignition. Ventilate well. Stop leak if possible without any risk.

6.2. Environmental precautions

Do not allow ANY environmental contamination. 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

Avoid inhalation of vapours/spray and contact with skin and eyes. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not smoke, use open fire or other sources of ignition. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

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

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 ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

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

Hand protection

Protective gloves must be used if there is a risk of direct contact or splash.

Eye protection

Wear tight-fitting goggles or face shield.

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	Liquid
Colour	Amber.
Odour	Ammonia.
Solubility	Slightly soluble in water.
Initial boiling point and boiling range (°C)	nd
Melting point (°C)	n/d
Vapour density (air=1)	>1
pH-Value, Conc. Solution	alkaline
Flash point (°C)	>93

9.2. Other information

Not available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Acids. Strong oxidising substances.

10.2. Chemical stability

PHILLYBOND ORANGE SEALANT HARDENER

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.

10.5. Incompatible materials

Materials To Avoid
Strong oxidising substances. Avoid contact with acids.

10.6. Hazardous decomposition products

Ammonia. Hydrogen cyanide (HCN). Unidentified organic compounds (nitriles, cyanic acid, isocyanates, cyanogens, amides, carbamates)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxic Dose 1 - LD 50 nd

General information
Corrosive

Inhalation
Vapours are corrosive. After 24-36 hours, injured persons may develop serious shortness of breath and lung oedema. May cause sensitisation by inhalation.

Ingestion
Corrosive. Even small amounts may cause serious damage. May cause chemical burns in mouth, oesophagus and stomach.

Skin contact
Corrosive. Even small amounts may cause serious damage. Severe skin irritation. May cause sensitisation by skin contact.

Eye contact
Strongly corrosive. Causes severe burns and serious eye damage. Immediate first aid is imperative. Vapour or spray may cause eye damage, impaired sight or blindness.

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

Toxicological information on ingredients.

4-NONYLPHENOL, Branched (CAS: 84852-15-3)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

12.1. Toxicity

Acute Fish Toxicity
Very toxic to aquatic organisms.

12.2. Persistence and degradability

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 allow ANY environmental contamination.

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 No other information noted.

14.1. UN number

UN No. (ADR/RID/ADN) 2735
UN No. (IMDG) 2735

PHILLYBOND ORANGE SEALANT HARDENER

UN No. (ICAO)

2735

14.2. UN proper shipping name

Proper Shipping Name AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S
(4-NONYLPHENOL, Branched, TRIMETHYLHEXAMETHYLENEDIAMINE)

14.3. Transport hazard class(es)

ADR/RID/ADN Class 8
ADR/RID/ADN Class Class 8: Corrosive substances.
ADR Label No. 8
IMDG Class 8
ICAO Class/Division 8
Transport Labels



14.4. Packing group

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

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user

EMS F-A, S-B
Emergency Action Code 2X
Hazard No. (ADR) 80

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.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Date 25/09/2014
Revision 4
Supersedes date 10/06/2011
Date 10/06/2011
Risk Phrases In Full
R34 Causes burns.
R35 Causes severe burns.
R20/22 Harmful by inhalation and if swallowed.
R22 Harmful if swallowed.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R36/38 Irritating to eyes and skin.
R36/37/38 Irritating to eyes, respiratory system and skin.
R43 May cause sensitisation by skin contact.
R63 Possible risk of harm to the unborn child.
R62 Possible risk of impaired fertility.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard Statements In Full
H314 Causes severe skin burns and eye damage.
H332 Harmful if inhaled.
H302 Harmful if swallowed.
H412 Harmful to aquatic life with long lasting effects.
H317 May cause an allergic skin reaction.
H361fd Suspected of damaging fertility or the unborn child.
H411 Toxic to aquatic life with long lasting effects.
H410 Very toxic to aquatic life with long lasting effects.
H400 Very toxic to aquatic life.

PHILLYBOND ORANGE SEALANT HARDENER

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.