SAFETY DATA SHEET

Version #: 03

Issue date: 06-05-2023 Revision date: 07-06-2023 Supersedes date: 07-06-2023

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

1.1. Product identifier

Trade name or designation

of the mixture

EPOCAST 36 Hardener

Registration number

Synonyms None.

SKU# 10015/10025/10035

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

Identified uses Not available None known. Uses advised against 1.3. Details of the supplier of the safety data sheet

Supplier

Company name **ITW Performance Polymers**

Address Bay 150

Shannon Industrial Estate

Co. Clare, Ireland

Division

Phone 353(61)771500 **Telephone**

e-mail customerservice.shannon@itwpp.com

Contact person Not available.

1.4. Emergency telephone

number

Emergency Number 44(0)1235 239 670

General in EU 112 (Available 24 hours a day. SDS/Product information may not be available for

the Emergency Service.)

Austria National Poisons

Information Center

+431 406 4343 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Belgium National Poisons

Control Center

070 245 245 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Bulgaria National

Toxicological Information

Center

+359 2 9154 233 (Available 24 hours a day. SDS/Product information may not be

+385 1 2348 342 (Hours of operation not provided. SDS/Product information may

available for the Emergency Service.)

Croatia Poisons

Information Center

not be available for the Emergency Service.)

Cyprus Poison Center

1401 (Available 24 hours a day. SDS/Product information may not be available

for the Emergency Service.)

Czech Republic National Poisons Information

Center

+420 224 919 293, or +420 224 915 402 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

Denmark National Poisons Control Center

+45 82 12 12 12 (Available 24 hours a day. SDS/Product information may not be

Estonia National Poisons Information Center

available for the Emergency Service.) 16662 or abroad: (+372) 626 9390 (Monday 9:00AM to Saturday 9:00AM (closed

on Sundays and on national holidays). SDS/Product information may not be available for the Emergency Service.)

Finland National Poison Information Center

(09) 471 977 (direct) or (09) 4711 (exchange) (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

France National Poisons

Control Center

ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Material name: EPOCAST 36 Hardener

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Greece Poison Information (0030) 2107793777 (Available 24 hours a day. SDS/Product information may not Centre

be available for the Emergency Service.)

Hungary National +36-80-201-199 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.) **Emergency Phone Number**

(+354) 543 2222 (Available 24 hours a day. SDS/Product information may not be **Iceland Poison Center**

available for the Emergency Service.)

Latvia Emergency medical

Latvia Poison and Drug

+371 67042473 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.) **Information Center**

113

+370 5 236 20 52 or +37068753378 (Hours of operation not provided. Lithuania Neatidėliotina SDS/Product information may not be available for the Emergency Service.) informacija apsinuodijus

2545 4030 (Hours of operation not provided. SDS/Product information may not be Malta Accident and available for the Emergency Service.) **Emergency Department**

Netherlands National Poisons Information Center (NVIC)

NVIC: +31 (0)88 755 8000 (Only for the purpose of informing medical personnel in cases of acute intoxications)

22 59 13 00 (Available 24 hours a day. SDS/Product information may not be **Norway Norwegian Poison** available for the Emergency Service.) Information Center

Portugal Poison Center 800 250 250 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Romania Biroul RSI si Informare Toxicologica 021.318.36.06 (Available 8:00AM-3:00PM. SDS/Product information may not be

available for the Emergency Service.)

Slovakia National Toxicological Information Center

+421 2 5477 4166 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Spain Toxicology + 34 91 562 04 20 (Available 24 hours a day. SDS/Product information may not

be available for the Emergency Service.) **Information Service**

Sweden National Poison 112 - and ask for Poison Information (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.) **Information Center**

Switzerland Tox Info 145 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.) Suisse

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Skin corrosion/irritation Category 1B H314 - Causes severe skin burns

and eye damage.

Serious eye damage/eye irritation Category 1 H318 - Causes serious eye

damage.

Skin sensitization Category 1 H317 - May cause an allergic skin

reaction.

Environmental hazards

Hazardous to the aquatic environment, acute Category 1 H400 - Very toxic to aquatic life.

aquatic hazard

Hazardous to the aquatic environment, H410 - Very toxic to aquatic life Category 1

long-term aquatic hazard with long lasting effects.

2.2. Label elements

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Label according to Regulation (EC) No. 1272/2008 as amended

UFI:

Austria: QRE0-U081-J00X-NDC0 Belgium: QRE0-U081-J00X-NDC0 Bulgaria: QRE0-U081-J00X-NDC0 Croatia: QRE0-U081-J00X-NDC0 Cyprus: QRE0-U081-J00X-NDC0

Czech Republic: QRE0-U081-J00X-NDC0 Denmark: QRE0-U081-J00X-NDC0 Estonia: QRE0-U081-J00X-NDC0 EU: QRE0-U081-J00X-NDC0 Finland: QRE0-U081-J00X-NDC0 France: QRE0-U081-J00X-NDC0 Germany: QRE0-U081-J00X-NDC0 Greece: QRE0-U081-J00X-NDC0 Hungary: QRE0-U081-J00X-NDC0 Iceland: QRE0-U081-J00X-NDC0 Ireland: QRE0-U081-J00X-NDC0 Italy: QRE0-U081-J00X-NDC0 Latvia: QRE0-U081-J00X-NDC0 Lithuania: QRE0-U081-J00X-NDC0 Luxembourg: QRE0-U081-J00X-NDC0 Malta: QRE0-U081-J00X-NDC0 Netherlands: QRE0-U081-J00X-NDC0 Norway: QRE0-U081-J00X-NDC0 Poland: QRE0-U081-J00X-NDC0 Portugal: QRE0-U081-J00X-NDC0 Romania: QRE0-U081-J00X-NDC0 Slovakia: QRE0-U081-J00X-NDC0

Sweden: QRE0-U081-J00X-NDC0

Hazard pictograms

Contains:



Slovenia: QRE0-U081-J00X-NDC0 Spain: QRE0-U081-J00X-NDC0

Signal word Danger

Hazard statements

H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P260 Do not breathe vapor.

P264 Wash thoroughly after handling.

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

P273 Avoid release to the environment.

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

Response

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with

water/shower.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

Storage

P405 Store locked up.

Disposal

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

Supplemental label information

100% of the mixture consists of component(s) of unknown acute oral toxicity. 100% of the mixture

consists of component(s) of unknown acute inhalation toxicity.

2.3. Other hazards

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. The mixture does not contain any substances included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties at a concentration equal to or greater than 0.1% by weight.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name

% CAS-No. / EC No. REACH Registration No. Index No. Notes

3,6,9,12-tetra-azatetradecamethylene diamine; pentacthylenehexamine

Classification: Skin Corr. 1B;H314, Eye Dam. 1;H318, Skin Sens. 1;H317, Aquatic Acute 1;H400, Aquatic Chronic 1;H410

List of abbreviations and symbols that may be used above

ATE: Acute toxicity estimate.

M: M-factor

vPvB: very persistent and very bioaccumulative substance. PBT: persistent, bioaccumulative and toxic substance.

#: This substance has been assigned Union workplace exposure limit(s).

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. Call a physician

or poison control center immediately. Chemical burns must be treated by a physician. Wash

contaminated clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

Ingestion Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If

vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

4.2. Most important symptoms and effects, both acute and

delayed

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

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

Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing

media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters

Material name: EPOCAST 36 Hardener

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

Special fire fighting procedures

Move containers from fire area if you can do so without risk.

Specific methodsUse standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing

appropriate protective clothing.

For emergency responders

Keep unnecessary personnel away. Ensure adequate ventilation. Avoid breathing mist/vapors. Local authorities should be advised if significant spillages cannot be contained. Use personal

protection recommended in Section 8 of the SDS.

6.2. Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not breathe mist/vapors. Do not get in eyes, on skin, or on clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

ANNEX 1, PART 1 Categories of dangerous substances

Hazard categories in accordance with Regulation (EC) No 1272/2008

- E1 Hazardous to the Aquatic Environment Acute (Lower-tier requirements = 100 tons; Upper-tier requirements = 200 tons)

 E1 Hazardous to the Aquatic Environment Chronic (Lower-tier requirements = 100 tons; Upper-tier requirements = 200 tons)

7.3. Specific end use(s)

Observe industrial sector guidance on best practices.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Recommended monitoring

procedures

Follow standard monitoring procedures.

Derived no effect levels (DNELs)

Not available.

Predicted no effect concentrations (PNECs)

Not available.

8.2. Exposure controls

Appropriate engineering

controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

General information

Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective

equipment.

Wear safety glasses with side shields (or goggles) and a face shield. Face shield is Eye/face protection

recommended.

Skin protection

- Hand protection Wear appropriate chemical resistant gloves.

- Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures Always observe good personal hygiene measures, such as washing after handling the material

> and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the

workplace.

Environmental exposure

controls

Inform appropriate managerial or supervisory personnel of all environmental releases. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid. **Form** Liquid. Yellow Color Odor Amine Melting point/freezing point Not available.

Boiling point or initial boiling

point and boiling range

Not available.

Flammability Not applicable. Not available. Flash point Not available. **Auto-ignition temperature** Not available. **Decomposition temperature** pН Not available. Not available. Kinematic viscosity

Solubility

Solubility (water) Not available. **Partition coefficient** Not available.

(n-octanol/water) (log value)

0,000005 hPa estimated Vapor pressure

Not available. Density and/or relative density Not available. Vapor density Particle characteristics Not available.

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No relevant additional information available.

No relevant additional information available. 9.2.2. Other safety

characteristics

SECTION 10: Stability and reactivity

10.1. Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability Material is stable under normal conditions.

10.3. Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid Contact with incompatible materials.

Peroxides. Phenols. 10.5. Incompatible materials

No hazardous decomposition products are known. 10.6. Hazardous

decomposition products

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation May cause irritation to the respiratory system.

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Skin contact Causes severe skin burns. May cause an allergic skin reaction.

Eye contact Causes serious eye damage.

Ingestion Causes digestive tract burns.

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may **Symptoms**

include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including

blindness could result.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Due to partial or complete lack of data the classification is not possible. Acute toxicity

Causes severe skin burns and eye damage. Skin corrosion/irritation

Serious eye damage/eye

irritation

Causes serious eye damage.

Respiratory sensitization Due to partial or complete lack of data the classification is not possible. Skin sensitization May cause an allergic skin reaction.

Due to partial or complete lack of data the classification is not possible. Germ cell mutagenicity Due to partial or complete lack of data the classification is not possible. Carcinogenicity

Reproductive toxicity Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity -

single exposure

Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity -

repeated exposure

Not applicable.

Due to partial or complete lack of data the classification is not possible. **Aspiration hazard**

Mixture versus substance

information

No information available.

11.2. Information on other hazards

Endocrine disrupting

properties

This mixture does not contain any substances having endocrine disrupting properties with respect to human health as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.

Other information Not available.

SECTION 12: Ecological information

Very toxic to aquatic life with long lasting effects. 12.1. Toxicity

12.2. Persistence and

degradability

No data is available on the degradability of any ingredients in the mixture.

12.3. Bioaccumulative potential No data available.

Partition coefficient

n-octanol/water (log Kow)

Not available.

Not available. **Bioconcentration factor (BCF)** No data available. 12.4. Mobility in soil

12.5. Results of PBT and vPvB

assessment

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation

12.6. Endocrine disrupting

properties

(EC) No 1907/2006, Annex XIII. This mixture does not contain any substances having endocrine disrupting properties with respect

to the environment as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.

12.7. Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Material name: EPOCAST 36 Hardener

SDS EU

Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow

this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches

with chemical or used container. Dispose of contents/container in accordance with

local/regional/national/international regulations.

Special precautions Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

LIN2735 14.1. UN number

AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S. 14.2. UN proper shipping

(3,6,9,12-tetra-azatetradecamethylenediamine; pentacthylenehexamine) name

14.3. Transport hazard class(es)

8 Class Subsidiary risk Label(s) 8 Hazard No. (ADR) 80 **Tunnel restriction code** Ε Ш 14.4. Packing group No. 14.5. Environmental

hazards

14.6. Special precautions

Read safety instructions, SDS and emergency procedures before handling.

for user

RID

14.1. UN number UN2735

14.2. UN proper shipping AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.

(3,6,9,12-tetra-azatetradecamethylenediamine; pentacthylenehexamine) name

14.3. Transport hazard class(es)

Class 8 Subsidiary risk 8 Label(s) 14.4. Packing group Ш 14.5. Environmental Yes

hazards

Read safety instructions, SDS and emergency procedures before handling. 14.6. Special precautions

for user

ADN

14.1. UN number UN2735

AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S. 14.2. UN proper shipping

(3,6,9,12-tetra-azatetradecamethylenediamine; pentacthylenehexamine) name

14.3. Transport hazard class(es)

Class 8 Subsidiary risk 8 Label(s) 14.4. Packing group Ш 14.5. Environmental No.

hazards

14.6. Special precautions

Read safety instructions, SDS and emergency procedures before handling.

for user

IATA

UN2735 14.1. UN number

Amines, liquid, corrosive, n.o.s. (3,6,9,12-tetra-azatetradecamethylenediamine; 14.2. UN proper shipping

pentacthylenehexamine) name

14.3. Transport hazard class(es)

8 Class Subsidiary risk Ш 14.4. Packing group 14.5. Environmental Yes

hazards

8L **ERG Code**

Read safety instructions, SDS and emergency procedures before handling. 14.6. Special precautions

for user

Other information

Allowed with restrictions. Passenger and cargo

aircraft

Cargo aircraft only Allowed with restrictions.

IMDG

14.1. UN number UN2735

14.2. UN proper shipping AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.

name (3,6,9,12-tetra-azatetradecamethylenediamine; pentacthylenehexamine), MARINE POLLUTANT

14.3. Transport hazard class(es)

Class 8
Subsidiary risk 14.4. Packing group III
14.5. Environmental hazards

Marine pollutant Yes EmS F-A, S-B

14.6. Special precautions

for user

Read safety instructions, SDS and emergency procedures before handling.

Pentaethylenehexamine

14.7. Maritime transport in bulk according to IMO instruments

Not established.

ADN; ADR; IATA; IMDG; RID



Marine pollutant



General information IMDG Regulated Marine Pollutant.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA Not listed.

UFI:

Austria: QRE0-U081-J00X-NDC0 Belgium: QRE0-U081-J00X-NDC0 Bulgaria: QRE0-U081-J00X-NDC0 Croatia: QRE0-U081-J00X-NDC0 Cyprus: QRE0-U081-J00X-NDC0

Czech Republic: QRE0-U081-J00X-NDC0 Denmark: QRE0-U081-J00X-NDC0 Estonia: QRE0-U081-J00X-NDC0 EU: QRE0-U081-J00X-NDC0 Finland: QRE0-U081-J00X-NDC0 France: QRE0-U081-J00X-NDC0 Germany: QRE0-U081-J00X-NDC0 Greece: QRE0-U081-J00X-NDC0 Hungary: QRE0-U081-J00X-NDC0 Iceland: QRE0-U081-J00X-NDC0 Ireland: QRE0-U081-J00X-NDC0 Italy: QRE0-U081-J00X-NDC0 Latvia: QRE0-U081-J00X-NDC0 Lithuania: QRE0-U081-J00X-NDC0 Luxembourg: QRE0-U081-J00X-NDC0 Malta: QRE0-U081-J00X-NDC0 Netherlands: QRE0-U081-J00X-NDC0 Norway: QRE0-U081-J00X-NDC0 Poland: QRE0-U081-J00X-NDC0 Portugal: QRE0-U081-J00X-NDC0 Romania: QRE0-U081-J00X-NDC0 Slovakia: QRE0-U081-J00X-NDC0 Slovenia: QRE0-U081-J00X-NDC0

Slovenia: QRE0-U081-J00X-NDC0 Spain: QRE0-U081-J00X-NDC0 Sweden: QRE0-U081-J00X-NDC0

Authorizations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use, as amended - Conditions of restriction given for the associated entry number should be considered

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

ANNEX 1, PART 1 Categories of dangerous substances

Hazard categories in accordance with Regulation (EC) No 1272/2008

E1 Hazardous to the Aquatic Environment AcuteE1 Hazardous to the Aquatic Environment Chronic

Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation

(EC) No 1907/2006, as amended.

National regulations

Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended. Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

France regulations

France INRS Table of Occupational Diseases

Not regulated.

Product registration number

Austria UFI: QRE0-U081-J00X-NDC0 **Belgium** UFI: QRE0-U081-J00X-NDC0 UFI: QRE0-U081-J00X-NDC0 Czech Republic UFI: QRE0-U081-J00X-NDC0 Denmark **European Union** UFI: QRE0-U081-J00X-NDC0 **Finland** UFI: QRE0-U081-J00X-NDC0 UFI: QRE0-U081-J00X-NDC0 France UFI: QRE0-U081-J00X-NDC0 Germany Greece UFI: QRE0-U081-J00X-NDC0 Hungary UFI: QRE0-U081-J00X-NDC0 UFI: QRE0-U081-J00X-NDC0 Italy

Netherlands UFI: QRE0-U081-J00X-NDC0 Norway UFI: QRE0-U081-J00X-NDC0 UFI: QRE0-U081-J00X-NDC0 **Poland Portugal** UFI: QRE0-U081-J00X-NDC0 UFI: QRE0-U081-J00X-NDC0 Slovakia UFI: QRE0-U081-J00X-NDC0 Slovenia UFI: QRE0-U081-J00X-NDC0 Spain UFI: QRE0-U081-J00X-NDC0 Sweden **Switzerland** UFI: QRE0-U081-J00X-NDC0

15.2. Chemical safety

assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland

ADR: Agreement concerning the International Carriage of Dangerous Goods by Road.

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).

CAS: Chemical Abstract Service.

CEN: European Committee for Standardization. IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous

Chemicals in Bulk.

Not available.

IMDG: International Maritime Dangerous Goods.

MAC: Maximum Allowed Concentration.

MARPOL: International Convention for the Prevention of Pollution from Ships.

PBT: Persistent, bioaccumulative and toxic.

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit. TLV: Threshold Limit Value. TWA: Time Weighted Average. VLE: Exposure Limit Value. VME: Exposure Average Value.

vPvB: Very persistent and very bioaccumulative.

References

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements, which are not written out in full

under sections 2 to 15

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Revision information

Product and Company Identification: Product and Company Identification

SECTION 2: Hazards identification: Hazard statements

SECTION 2: Hazards identification: Prevention SECTION 2: Hazards identification: Response SECTION 2: Hazards identification: GHS Symbols

SECTION 6: Accidental release measures: 6,2. Environmental precautions

SECTION 7: Handling and storage: 7.2. Conditions for safe storage, including any incompatibilities

SECTION 8: Exposure controls/personal protection: Environmental exposure controls

SECTION 13: Disposal considerations: Disposal methods/information

Training information

Disclaimer

Follow training instructions when handling this material.

ITW Performance Polymers cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The 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, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.

Material name: EPOCAST 36 Hardener

SDS EU