

SAF30 Ultimate Durcisseur

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

1.1. Product identifier

Identification of the product : Hardener.
 Trade name : SAF30 Ultimate Durcisseur
 Type of product : Organic peroxides.

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

Use : Industrial.

1.3. Details of the supplier of the safety data sheet

Company identification : AEC POLYMERS
 Z.I. Eyrialis
 33114 LE BARP FRANCE
 Tél: +33 (0) 5.57.26.15.15
 Name and function of the responsible person : Mr Roux - aecpolymers@wanadoo.fr

1.4. Emergency telephone number

Phone nr : ORFILA
 +33 (0)1.45.42.59.59

SECTION 2 Hazards identification

Risk Phrases : Irritating to eyes.
 May cause sensitization by skin contact.

Hazards identification
Causes serious eye irritation
Causes skin irritation
May cause an allergic skin reaction
Toxic to aquatic life with long lasting effects

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : Xi; R36/38
 R43
 N; R51-53

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

- Health hazards : Skin irritation - Category 2 - Warning - (CLP : Skin Irrit. 2) - H315
 Eye irritation - Category 2A - Warning - (CLP : Eye Irrit. 2) - H319
 Skin sensitisation - Category 1 - Warning - (CLP : Skin Sens. 1) - H317
- Environmental hazards : Hazardous to the aquatic environment - Chronic hazard - Category 2 - (CLP : Aquatic Chronic 2) - H411

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s)



: Xi : Irritant
 N : Dangerous for the environment

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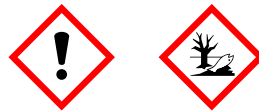
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SECTION 2 Hazards identification (continued)

- R Phrase(s)** : R36/38 : Irritating to eyes and skin.
 R43 : May cause sensitization by skin contact.
 R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- S Phrase(s)** : S24 : Avoid contact with skin.
 S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S35 : This material and its container must be disposed of in a safe way.
 S36/37 : Wear suitable protective clothing and gloves.
 S51 : Use only in well-ventilated areas.
 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.

Labelling Regulation EC 1272/2008 (CLP)

• Hazard pictograms



• Hazard pictograms

: SGH07 - GHS09

• Signal words

: Warning

• Hazard statements

- : H319 - Causes serious eye irritation
 H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction
 H411 - Toxic to aquatic life with long lasting effects

• Precautionary statements

General

: P101 - If medical advice is needed, have product container or label at hand.

Prevention

: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

: P337+P313 - If eye irritation persists: Get medical advice/attention

Storage

: P402+404 - Store in a dry place or in a tightly closed container.

Disposal considerations

: P501 - Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

Other hazards

: None under normal conditions.

SECTION 3 Composition/information on ingredients

3.1./3.2. Substance / Preparation

Components : Mixture.

Substance name	Contents	CAS No	EC No	Annex No	Ref REACH	Classification
Reaction product: bisphenol-A- (epichlorhydrin) epoxy resin (number average molecular weight <= 700)	: Between 15 and 25 %	25068-38-6	500-033-5	603-074-00-8	----	Xi; R36/38 R43 N; R51-53 ----- Eye Irrit. 2;H319 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Chronic 2;H411
Alkyl glycidylether C13C15	: Between 5 and 10 %	68081-84-5	2683582	----	----	Xi; R36/38 R43 N; R51-53 ----- Undefined. (GHS)
Dibenzoyl peroxide	: Between 5 and 10 %	94-36-0	202-327-6	617-008-00-0	----	E; R3 R7 Xi; R36 R43 N; R50

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SECTION 3 Composition/information on ingredients (continued)

 Org. Perox. B;H241
 Eye Irrit. 2;H319
 Skin Sens. 1;H317
 Aquatic Acute 1;H400

SECTION 4 First aid measures

4.1. Description of first aid measures

First aid measures

- Inhalation** : Assure fresh air breathing.
- Skin contact** : Wash skin with mild soap and water.
- Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- Ingestion** : Do not induce vomiting.
 Rinse mouth.
 Seek medical attention if ill effect develops.

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

No data available.

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

No data available.

SECTION 5 Firefighting measures

5.1. Extinguishing media

Extinguishing media

- Suitable extinguishing media** : Dry ice.
 Water.
 Foam.
 Powder.

5.2. Special hazards arising from the substance or mixture

- Specific hazards** : If involved in a fire the following toxic and/or corrosive fumes may be produced by thermal decomposition : (COx)

5.3. Advice for firefighters

- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures** : Avoid (reject) fire-fighting water to enter environment. Exercise caution when fighting any chemical fire.
- Surrounding fires** : Use water spray or fog for cooling exposed containers.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General precautions** : Eliminate every possible source of ignition.
 Spill area may be slippery.
- For emergency responders** : Wear suitable respiratory equipment. (Filter A2)
 Equip cleanup crew with proper protection.
- General precautions** : Thermal decomposition generates toxic vapours.

6.2. Environmental precautions

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SECTION 6 Accidental release measures (continued)

Environmental precautions : Prevent entry to sewers and public waters. May contaminate water supplies. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Clean up methods : Clean up any spills as soon as possible, using an absorbent material to collect it. Use appropriate container to avoid environmental contamination.

6.4. Reference to other sections

See Heading 8.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures. Ensure prompt removal from eyes, skin and clothing.

General : Keep away from ignition sources such as heat, sparks and open flame. – No smoking.
 Avoid all unnecessary exposure.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Store and handle as though always a serious potential fire/explosion and health hazard exists. Store in dry, cool, well-ventilated area. Keep container closed when not in use.
 Keep only in the original container at temperature not exceeding +20°C

Storage - away from : All heat sources, including direct sunlight.

7.3. Specific end use(s)

Not applicable.

SECTION 8 Exposure controls/personal protection

Occupational Exposure Limits : Dibenzoyl peroxide : TLV[©] -TWA [mg/m³] : 5

8.1. Control parameters

Dibenzoyl peroxide : TLV[©] -TWA [mg/m³] : 5

8.2. Exposure controls

For prolonged contact, use nitrile or neoprene gloves or other material resistant to petroleum oils.

- Personal protection** : Reserved to industrial installations.
- **Respiratory protection** : In case of insufficient ventilation, wear suitable respiratory equipment. filter A2
- **Hand protection** : For prolonged contact, use nitrile or neoprene gloves or other material resistant to petroleum oils.
- **Skin protection** : Wear suitable protective clothing.
- **Eye protection** : Safety glasses.
Goggles.
- **Ingestion** : When using, do not eat, drink or smoke.
- **Others**



Industrial hygiene : Keep away from food, drink and animal feedingstuffs.

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SECTION 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

9.1.a. Appearance

Physical state at 20 °C : Viscous liquid.
 Colour : Grey.

9.1.b. Odour

Odour : Characteristic.

9.1.d. pH

9.1.e. Melting point / Freezing point

9.1.f. Initial boiling point - boiling range

Boiling point [°C] : No data available.
 Final boiling point [°C] : No data available.

9.1.g. Flash point

Flash point [°C] : No data available.

9.1.i. Flammability

9.1.j. Explosion limits (lower - upper)

9.1.k. Vapour pressure

Vapour pressure : No data available.
 Vapour pressure, 50°C : No data available.

9.1.l. Vapour density

9.1.m. Relative density

Density : 1.20

9.1.n. Solubility

Solubility in water : No data available.

9.1.o. Partition coefficient : n-octanol / water

Log P octanol / water at 20°C : No data available.
 Auto-ignition temperature [°C] : No data available.

9.1.q. Thermal decomposition

Thermal decomposition [°C] : Not established.

9.1.r. Viscosity

Viscosity
 Viscosity at 25°C [mPa.s] : 50 000

9.1.s. Explosive Properties

Explosion limits - lower [%] : No data available.
 Explosion limits - upper [%] : No data available.

9.2. Other information

Acid/alkali reserve [g NaOH/100g] : No data available.
 Critical temperature [°C] : No data available.

SECTION 10 Stability and reactivity

10.1. Reactivity

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SECTION 10 Stability and reactivity (continued)

10.2. Chemical stability

Stability : Flammable vapours may also be present from over heating/melting/decomposition.

10.3. Possibility of hazardous reactions

Thermal stability : Risk of exothermic decomposition at elevated temperatures, contact with other substances (such as acids, heavy-metal compounds or amines), friction or shock. This may result in the evolution of harmful and flammable gases or vapours.

10.4. Conditions to avoid

Conditions to avoid : All heat sources, including direct sunlight.
 Keep away from combustible material.

10.5. Incompatible materials

Materials to avoid : Amines.
 Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products : Thermal decomposition generates toxic vapours. (Cox)
 Combination of hydrocarbons.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Toxicity information

- **Acute toxicity** : Rat oral LD50 [mg/kg] 30000 [cas 25068-38-6]
- **Inhalation** : None under normal conditions.
- **Skin corrosion/irritation** : Rabbit dermal LD50 [mg/kg] >2000 [cas 25068-38-6]
- **Serious eye damage/irritation** : Not established.
- **Respiratory or skin sensitisation** : Not established.
- **Germ cell mutagenicity** : Not established.
- **Carcinogenicity** : Not established.
- **Reproductive toxicity** : Not established.
- **STOT-single exposure** : Not established.
- **Dermal** : May cause sensitization by skin contact.
- **STOT-repeated exposure** : Not established.
- **Aspiration hazard** : Not established.
- **Ocular** : Causes serious eye irritation

SECTION 12 Ecological information

12.1. Toxicity

Ecological effects information : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

LC50-96 Hour - fish [mg/l] : 1.3mg/l [cas 25068-38-6]

48 Hour-EC50 - Daphnia magna [mg/l] : >2.1 mg/l [cas 25068-38-6]

IC50 72h Algae [mg/l] : >11mg/l [cas 25068-38-6]

12.2. Persistence and degradability

Persistence - degradability : Minimally biodegradable.

BOD5-value [mg/l] : No data available.

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SECTION 12 Ecological information (continued)

COD-value [mg/l] : No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13 Disposal considerations

13.1. Waste treatment methods

Incinerate.

Dispose in a safe manner in accordance with local/national regulations.

General : Avoid release to the environment. Dispose of this material and its container at hazardous or special waste collection point.
 Dispose in a safe manner in accordance with local/national regulations.

SECTION 14 Transport information

14.1. UN number

3077

Labelling



14.2. UN proper shipping name

: Epoxydic components.
 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

14.3. Transport hazard class(es)

9

14.4. Packing group

III

14.5. Environmental hazards

This product contains hazardous components for the aquatic environment.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

SECTION 15 Regulatory information

Health hazards : Skin irritation - Category 2 - Warning - (CLP : Skin Irrit. 2) - H315
 Eye irritation - Category 2A - Warning - (CLP : Eye Irrit. 2) - H319
 Skin sensitisation - Category 1 - Warning - (CLP : Skin Sens. 1) - H317

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SECTION 15 Regulatory information (continued)

EC Labelling

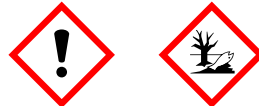
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Environmental hazards : Hazardous to the aquatic environment - Chronic hazard - Category 2 - (CLP : Aquatic Chronic 2) - H411

Ensure all national/local regulations are observed.

15.2. Chemical safety assessment

• **Hazard pictograms**



Signal words : Warning

No data available.

EC Classification : Xi; R36/38
 67/548/EC & 1999/45/EC R43
 N; R51-53

Hazard statements : Causes serious eye irritation
 Causes skin irritation
 May cause an allergic skin reaction
 Toxic to aquatic life with long lasting effects

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006.

Directive 2006/121/EC of the European Parliament and of the Council of 18 December 2006.

Symbol(s) : Xi : Irritant
 N : Dangerous for the environment

• **General** : If medical advice is needed, have product container or label at hand.

R Phrase(s) : R36/38 : Irritating to eyes and skin.
 R43 : May cause sensitization by skin contact.
 R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

• **Prevention** : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
 Wear protective gloves/protective clothing/eye protection/face protection.

S Phrase(s) : S24 : Avoid contact with skin.
 S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S35 : This material and its container must be disposed of in a safe way.
 S36/37 : Wear suitable protective clothing and gloves.
 S51 : Use only in well-ventilated areas.
 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.

• **Response** : If eye irritation persists: Get medical advice/attention

• **Storage** : Store in a dry place or in a tightly closed container.

• **Disposal considerations** : Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

CLP classification

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

• **Pictograms (Precautionary statements)**



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SECTION 15 Regulatory information (continued)

Hazard Class and Category Code
REGULATION (EC) No 1272/2008 (CLP)

SECTION 16 Other information

List of relevant R phrases (§ 3) : R3 : Extreme risk of explosion by shock, friction, fire or other sources of ignition.
R7 : May cause fire.
R36 : Irritating to eyes.
R36/38 : Irritating to eyes and skin.
R43 : May cause sensitization by skin contact.
R50 : Very toxic to aquatic organisms.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Revision : 0
Print date : 15 / 10 / 2014
Further information : None.

The contents and format of this SDS are in accordance with REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

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