

SAF 30 ULTIMATE

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

1.1. Product identifier

Trade name : SAF 30 ULTIMATE

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

Label elements

Risk Phrases : The product may be a skin sensitiser. It may also be a skin irritant and repeated contact may increase this effect.

Hazards identification
Highly flammable liquid and vapour
Causes serious eye irritation
Causes skin irritation
May cause an allergic skin reaction
May cause respiratory irritation

Primary route of exposure : Skin and eyes contact.

Symptoms relating to use

- Ingestion : Must not come into contact with food or be consumed.

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : F; R11
 Xi; R36/37/38
 R43

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
 Specific Target Organ Toxicity - Single exposure - Respiratory tract irritation - Category 3 - Warning (CLP : STOT SE 3)
- Physical hazards : Flammable liquids - Category 2 - Danger - (CLP : Flam. Liq. 2) - H225

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s)



: Xi : Irritant
 F : Highly flammable

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SECTION 2 Hazards identification (continued)

- R Phrase(s)** : R11 : Highly flammable.
 R36/37/38 : Irritating to eyes, respiratory system and skin.
 R43 : May cause sensitization by skin contact.
- S Phrase(s)** : S3 : Keep in a cool place.
 S9 : Keep container in a well-ventilated place.
 S16 : Keep away from sources of ignition - No smoking.
 S24 : Avoid contact with skin.
 S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S33 : Take precautionary measures against static discharges.
 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.

Labelling Regulation EC 1272/2008 (CLP)

• Hazard pictograms



• Hazard pictograms

: SGH02 - SGH07

• Signal words

: Danger

• Hazard statements

: H225 - Highly flammable liquid and vapour
 H319 - Causes serious eye irritation
 H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction
 H335 - May cause respiratory irritation

• Precautionary statements

General

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

Prevention

: NA - Keep away from ignition sources such as heat, sparks and open flame. – No smoking.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
 P242 - Use only non-sparking tools

Response

: P337+P313 - If eye irritation persists: Get medical advice/attention
 P370+380 - In case of fire, evacuate area.

Storage

: P403+235 - Store in a cool and well-ventilated place.

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
Methyl methacrylate	: Between 35 and 50 %	80-62-6	201-297-1	607-035-00-6	----	F; R11 Xi; R37/38 R43 ----- Flam. Liq. 2;H225 Skin Irrit. 2;H315 STOT SE3;H335 Skin Sens. 1;H317
2-Propenoic acid, 2-methyl-,2-hydroethyl ester,phosphate	: Between 1 and 5 %	24599-21-1	246-342-6	----	----	C; R34 Xi; R37 R43 ----- Skin Corr. 1B;H314 STOT SE3;H335 Skin Sens. 1;H317

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SECTION 3 Composition/information on ingredients (continued)

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 0.01 and 1 %	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
Methacrylic acid	: Between 0.01 and 1 %	79-41-4	201-204-4	607-088-00-5	----	Xn; R21/22 C; R35 ----- Not CLP Acute Tox. 4 (Dermal);H312 Acute Tox. 4 (Oral);H302
N,N-dimethyl-p-toluidine	: Between 0.01 and 1 %	99-97-8	202-805-4	612-056-00-9	----	T; R23/24/25 R33 R52-53 ----- Acute Tox. 3 (Dermal);H311 Acute Tox. 3 (Inhalation);H331 Acute Tox. 3 (Oral);H301 STOT RE 2;H373 Aquatic Chronic 3;H412
1-methoxy-2-propanol, monopropylene glycol methyl ether	: Between 0.1 and 1 %	107-98-2	203-539-1	603-064-00-3	----	R10 R67 ----- Flam. Liq. 3;H226 Not CLP

SECTION 4 First aid measures

4.1. Description of first aid measures

- **General information** : Take off immediately all contaminated clothing.
- First aid measures**
- Inhalation** : Remove victim to fresh air. Assure fresh air breathing. If breathing is difficult, give oxygen. Obtain medical attention.
- Skin contact** : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- Eye contact** : Rinse immediately with plenty of water. Ensure adequate flushing of eyes by separating eyelids with the fingers. Obtain medical attention if pain, blinking, tears or redness persist.
- Ingestion** : Rinse mouth. Do not induce vomiting. Seek medical attention if ill effect develops.

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

May cause sensitization by skin contact.
Skin and eyes irritant.

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

Treat symptomatically.

SECTION 5 Firefighting measures

5.1. Extinguishing media

Extinguishing media : Dry powder. Water fog. Carbon dioxide (CO2). Foam.

5.2. Special hazards arising from the substance or mixture

- Specific hazards** : May form flammable vapour-air mixture.
- Hazardous combustion products** : Toxic gases. (COx)

5.3. Advice for firefighters

- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.
- Prevention** : Keep away from sources of ignition. No smoking.

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SECTION 5 Firefighting measures (continued)

- Special procedures** : 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

- For emergency responders** : In case of insufficient ventilation, wear suitable respiratory equipment. Keep public away from danger area. Equip cleanup crew with proper protection. No smoking. Do not get in eyes, on skin, or on clothing

6.2. Environmental precautions

- Environmental precautions** : Spread coarse, inert granular cover such as sand, on any affected walking surface. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Clean up methods** : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers. Incinerate.

6.4. Reference to other sections

See Heading 8.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

- Handling** : Do not breathe vapour. Wear proper protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Technical protective measures : Use grounded electrical/mechanical equipment.
General : Vapours may be heavier than air. Keep away from sources of ignition. No smoking.

7.2. Conditions for safe storage, including any incompatibilities

- Storage** : Keep container tightly closed and at a temperature not exceeding . 20°C
 Keep only in the original container in a cool, well ventilated place. Keep in fireproof place. Store in tightly closed, properly ventilated containers away from heat, sparks, open flame.
 Keep away from combustible material.
Precautions in handling and storage : Good ventilation of the workplace required.

7.3. Specific end use(s)

Not applicable.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

- Methyl methacrylate : VME - France [ppm] : 100
 Methyl methacrylate : VME - France [mg/m³] : 410
 Methyl methacrylate : VLE - France [ppm] : 200
 Methyl methacrylate : VLE - France [mg/m³] : 820
 Methyl methacrylate : TLV© -STEL [ppm] : 100
 Methyl methacrylate : TLV© -TWA [ppm] : 50
 N,N-dimethyl-p-toluidine : TLV© -TWA [ppm] : 2 (Toluidine)

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SECTION 8 Exposure controls/personal protection (continued)

1-methoxy-2-propanol, monopropylene glycol methyl ether : VME - France [ppm] : 100
 1-methoxy-2-propanol, monopropylene glycol methyl ether : VME - France [mg/m³] : 360
 1-methoxy-2-propanol, monopropylene glycol methyl ether : TLV[©] -STEL [ppm] : 150
 1-methoxy-2-propanol, monopropylene glycol methyl ether : TLV[©] -TWA [ppm] : 100
 1-methoxy-2-propanol, monopropylene glycol methyl ether : ILV (EU) - 15 min - [ppm] : 150
 1-methoxy-2-propanol, monopropylene glycol methyl ether : ILV (EU) - 15 min - [mg/m³] : 568
 1-methoxy-2-propanol, monopropylene glycol methyl ether : ILV (EU) - 8 H - [ppm] : 100
 1-methoxy-2-propanol, monopropylene glycol methyl ether : ILV (EU) - 8 H - [mg/m³] : 375

8.2. Exposure controls

- **Respiratory protection** : In case of insufficient ventilation, wear suitable respiratory equipment. ABEK (EN14387)
- **Hand protection** : For prolonged contact, use nitrile or neoprene gloves or other material resistant to petroleum oils. (EN374)
- **Skin protection** : Wear impervious rubber safety shoes.
Wear suitable protective clothing.
- **Eye protection** : Chemical goggles or safety glasses. EN166
- **Ingestion** : When using, do not eat, drink or smoke.
- Industrial hygiene** : Provide good ventilation in process area to prevent formation of vapour.

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 : Clear.

9.1.b. Odour

Odour : Characteristic.

9.1.d. pH

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] : 20°C

9.1.i. Flammability

9.1.k. Vapour pressure

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

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.

9.1.p. Auto-ignition temperature

Auto-ignition temperature [°C] : No data available.

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SECTION 9 Physical and chemical properties (continued)

9.1.q. Thermal decomposition

9.1.r. Viscosity

Viscosity : No data available.

Viscosity at 20°C [mPa.s] : 1 200 000

9.1.s. Explosive Properties

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

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

9.1.t. Oxidising properties

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

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : Reacts vigorously with strong oxidizers and acids.

10.4. Conditions to avoid

Conditions to avoid : Keep away from ignition sources such as heat, sparks and open flame. – No smoking.
 Keep container tightly closed and at a temperature not exceeding . 20°C Sparks.
 Overheating.
 Protect from sunlight

10.5. Incompatible materials

Materials to avoid : Peroxides.
 Strong oxidizers.
 Strong acids.
 Strong bases.

10.6. Hazardous decomposition products

Hazardous decomposition products : According to process conditions, hazardous decomposition products may be generated.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Toxicity information

- Acute toxicity : Rat oral LD50 [mg/kg] 7900-9400 [CAS 80-62-6]
- Skin corrosion/irritation : No data available.
- Serious eye damage/irritation : Eye irritation - Category 2A - Warning - (CLP : Eye Irrit. 2) - H319
- Rat inhalation LC50 [mg/l/4h] : 29.8mg/l
- Respiratory or skin sensitisation : Skin irritation - Category 2 - Warning - (CLP : Skin Irrit. 2) - H315
- Germ cell mutagenicity : No data available.
- Rat inhalation [mg/l] (6 hours / 24 hours) : No data available.

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SECTION 11 Toxicological information (continued)

- **Carcinogenicity** : No data available.
- **Reproductive toxicity** : No data available.
- **STOT-single exposure** : May cause respiratory irritation
- **STOT-repeated exposure** : No data available.
- Rabbit dermal LD50 [mg/kg]** : No data available.
- **Aspiration hazard** : No data available.
- Rabbit-rat dermal [mg/kg/24 hours]** : No data available.
- Rat oral LD50 [mg/kg]** : No data available.
- Rat oral LD50 [mg/kg/24h]** : No data available.

Symptoms related to the physical, chemical and toxicological characteristics

- Undesirable human health effects** : Exposure may produce cough, mucous, shortness of breath, chest tightness or other symptoms indicative of an allergic/sensitization reaction.
 Slight irritant by ingestion.
 Repeated or prolonged skin contact may cause irritation.
 Irritating to eyes.

SECTION 12 Ecological information

12.1. Toxicity

- Ecological effects information** :
- LC50-96 Hour - fish [mg/l]** : 191mg/l [cas 80-62-6]
- 48 Hour-EC50 - Daphnia magna [mg/l]** : 69mg/l [cas 80-62-6]
- IC50 72h Algae [mg/l]** : >110mg/l [cas 80-62-6]

12.2. Persistence and degradability

- Persistence - degradability** : Potentially biodegradable. 94% [cas :80-62-6]
- BOD5-value [mg/l]** : No data available.
- COD-value [mg/l]** : No data available.

12.3. Bioaccumulative potential

- Bioaccumulative potential** : 1.38 logK(o/w) [cas :80-62-6]

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

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

- General** : 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.
- Disposal method** : Dispose of contents and/or container in accordance with local, regional, national and/or international regulation.
 Incineration is recommended
- Industrial waste number** : 08 04 09 - Waste adhesives and sealants containing organic solvents or other dangerous substances. (Hazardous waste pursuant to Directive 91/689/EEC on hazardous waste)

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SECTION 14 Transport information

14.1. UN number

1133

Labelling



14.2. UN proper shipping name

: ADHESIVES (Methyl methacrylate)

14.3. Transport hazard class(es)

3

14.4. Packing group

III

14.5. Environmental hazards

No data available.

14.6. Special precautions for user

No special work practices are needed beyond the above recommendations under anticipated conditions of normal use.

SECTION 15 Regulatory information

Pictograms (Precautionary statements)

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
 Specific Target Organ Toxicity - Single exposure - Respiratory tract irritation - Category 3 - Warning (CLP : STOT SE 3)

EC Labelling

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

Physical hazards

: Flammable liquids - Category 2 - Danger - (CLP : Flam. Liq. 2) - H225

Ensure all national/local regulations are observed.

15.2. Chemical safety assessment

• **Hazard pictograms**



Signal words

: Danger

No data available.

EC Classification

67/548/EC & 1999/45/EC

: F; R11
 Xi; R36/37/38
 R43

Hazard statements

: Highly flammable liquid and vapour
 Causes serious eye irritation
 Causes skin irritation
 May cause an allergic skin reaction
 May cause respiratory irritation

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SECTION 15 Regulatory information (continued)

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

Directive 2006/12/EC of the European Parliament and of the Council of 18 December 2006.

• Precautionary statements

Symbol(s)



: Xi : Irritant
 F : Highly flammable

• General

R Phrase(s)

: If medical advice is needed, have product container or label at hand.
 : R11 : Highly flammable.
 R36/37/38 : Irritating to eyes, respiratory system and skin.
 R43 : May cause sensitization by skin contact.

• Prevention

: Keep away from ignition sources such as heat, sparks and open flame. – No smoking.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
 Use only non-sparking tools

S Phrase(s)

: S3 : Keep in a cool place.
 S9 : Keep container in a well-ventilated place.
 S16 : Keep away from sources of ignition - No smoking.
 S24 : Avoid contact with skin.
 S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S33 : Take precautionary measures against static discharges.
 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.

• Response

: If eye irritation persists: Get medical advice/attention
 In case of fire, evacuate area.

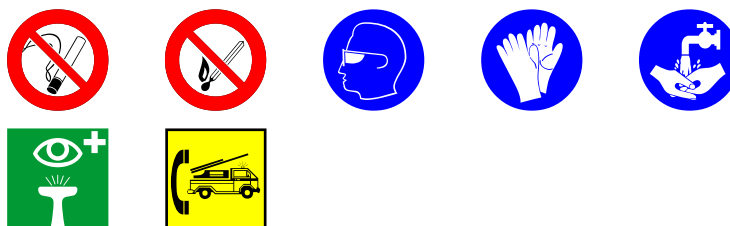
• Storage

: Store in a cool and well-ventilated place.

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)



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

SECTION 16 Other information

List of relevant R phrases (§ 3)

: R10 : Flammable.
 R11 : Highly flammable.
 R21/22 : Harmful in contact with skin and if swallowed.
 R23/24/25 : Toxic by inhalation, in contact with skin and if swallowed.

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SECTION 16 Other information (continued)

R33 : Danger of cumulative effects.

R34 : Causes burns.

R35 : Causes severe burns.

R36/38 : Irritating to eyes and skin.

R37 : Irritating to respiratory system.

R37/38 : Irritating to respiratory system 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.

R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 : Vapours may cause drowsiness and dizziness.

Revision : 0**Print date** : 8 / 10 / 2014**Further information** : FOR INDUSTRIAL USE

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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