

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

UNITEC EASY

Product no.

-

REACH registration number

Not applicable

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

Relevant identified uses of the substance or mixture

Glue

Adhesives, Sealants (PC1)

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

Unipak A/S
Marktoften 3C
8464 Galten
Denmark

Tel: +45 8626 1177

E-mail

sales@unipak.dk

SDS date

2019-11-25

SDS Version

2.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Sens. 1; H317

Eye Irrit. 2; H319

STOT SE 3; H335

See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)



Signal word

Warning

Hazard statement(s)

May cause an allergic skin reaction. (H317)

Causes serious eye irritation. (H319)
May cause respiratory irritation. (H335)

Precautionary statements

General -
Prevention Wear protective gloves/protective clothing/eye protection/face protection. (P280).
Response IF ON SKIN: Wash with plenty of water and soap. (P302+P352).
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338).
If skin irritation or rash occurs: Get medical advice/attention. (P333+P313).
If eye irritation persists: Get medical advice/attention. (P337+P313).
Storage -
Disposal Dispose of contents/container to an approved waste disposal plant. (P501).

Identity of the substances primarily responsible for the major health hazards

HYDROXYPROPYL METHACRYLATE, α,α -dimethylbenzyl hydroperoxide

Additional labelling

Not applicable

Unique formula identifier (UFI)

-

2.3. Other hazards

Not applicable

Additional warnings

Not applicable

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME:	HYDROXYPROPYL METHACRYLATE
IDENTIFICATION NOS.:	CAS-no: 27813-02-1 EC-no: 248-666-3 REACH-no: 2119490226-37
CONTENT:	5 - 10%
CLP CLASSIFICATION:	Eye Irrit. 2, Skin Sens. 1 H317, H319
NAME:	ethanediol
IDENTIFICATION NOS.:	CAS-no: 107-21-1 EC-no: 203-473-3 REACH-no: 2119456816-28 Index-no: 603-027-00-1
CONTENT:	1 - 3%
CLP CLASSIFICATION:	Acute Tox. 4, STOT RE 2 H302, H373
NOTE:	O L
NAME:	α,α -dimethylbenzyl hydroperoxide
IDENTIFICATION NOS.:	CAS-no: 80-15-9 EC-no: 201-254-7 REACH-no: 01-2119475796-19 Index-no: 617-002-00-8
CONTENT:	1 - 2,5%
CLP CLASSIFICATION:	Self-react., Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Acute Tox. 3, STOT SE 3, STOT RE 2, Aquatic Chronic 2 H242, H302, H312, H314, H318, H331, H335, H373, H411

(*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.
O = Organic solvent L = European occupational exposure limit.

Other information

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.
The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service).
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Bring the person into fresh air and stay with him/her.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure to flush under the upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Not applicable

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

If eye irritation persists: Get medical advice/attention.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Nothing special

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation of vapours from spilled material.

6.2. Environmental precautions

No specific requirements.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

5 – 25 °C

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

ethanediol

Long-term exposure limit (8-hour TWA reference period): 20(vapour) ppm | 10(par)/52(vap) mg/m³

Short-term exposure limit (15-minute reference period): 40 (vapour) ppm | 104 (vapour) mg/m³

Comments: Sk, par: particulate, vap: vapour (Sk = Can be absorbed through skin.)

DNEL / PNEC

DNEL (α,α-dimethylbenzyl hydroperoxide): 6 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (HYDROXYPROPYL METHACRYLATE): 14,7 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (HYDROXYPROPYL METHACRYLATE): 4,2 mg/kg -d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

PNEC (α,α-dimethylbenzyl hydroperoxide): 0,0031 mg/l

Exposure: Freshwater

PNEC (α,α-dimethylbenzyl hydroperoxide): 0,00031 mg/l

Exposure: Marine water

PNEC (α,α-dimethylbenzyl hydroperoxide): 0,031 mg/l

Exposure: Intermittent release

PNEC (α,α-dimethylbenzyl hydroperoxide): 0,0029 mg/kg

Exposure: Soil

PNEC (α,α-dimethylbenzyl hydroperoxide): 0,35 mg/l

Exposure: Sewage Treatment Plant

PNEC (α,α-dimethylbenzyl hydroperoxide): 0,023 mg/kg

Exposure: Freshwater sediment

PNEC (α,α-dimethylbenzyl hydroperoxide): 0,0023 mg/kg

Exposure: Marine water sediment

PNEC (HYDROXYPROPYL METHACRYLATE): 0,904 mg/l

Exposure: Freshwater

PNEC (HYDROXYPROPYL METHACRYLATE): 0,904 mg/l

Exposure: Marine water

PNEC (HYDROXYPROPYL METHACRYLATE): 10 mg/l

Exposure: Sewage Treatment Plant

PNEC (HYDROXYPROPYL METHACRYLATE): 6,28 mg/kg

Exposure: Freshwater sediment

PNEC (HYDROXYPROPYL METHACRYLATE): 6,28 mg/kg

Exposure: Marine water sediment

PNEC (HYDROXYPROPYL METHACRYLATE): 0,727 mg/kg

Exposure: Soil

8.2. Exposure controls

Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.

General recommendations

Observe general occupational hygiene standards.

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See

occupational hygiene limit values above.

Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

If ventilation at the work place is insufficient, use a half- or full mask with an appropriate filter or an air-supplied breathing apparatus depending on the specific work situation and how long you will be using the product.

Skin protection

Dedicated work clothing should be worn.

Hand protection

Nitrile rubber

Material thickness: $\geq 0,4$ mm

Breakthrough time: > 480 minutes (Class 6)

Eye protection

In the likelihood of direct or incidental exposure, use face protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	White
Odour	Characteristic
Odour threshold (ppm)	No data available.
pH	No data available.
Viscosity (40°C)	45000 mPa s, 25 °C
Density (g/cm ³)	1,01

Phase changes

Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.

Data on fire and explosion hazards

Flash point (°C)	> 100
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.

Solubility

Solubility in water	Insoluble
n-octanol/water coefficient	No data available.

9.2. Other information

Solubility in fat (g/L)	No data available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

10.3. Possibility of hazardous reactions

Nothing special

10.4. Conditions to avoid

Nothing special

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Substance: α,α -dimethylbenzyl hydroperoxide

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 328 mg/kg

Substance: α,α -dimethylbenzyl hydroperoxide

Species: Rat

Test: LD50

Route of exposure: Dermal

Result: 1200 mg/kg

Substance: α,α -dimethylbenzyl hydroperoxide

Species: Rat

Test: LC50

Route of exposure: Inhalation

Result: 1,37 mg/l

Substance: ethanediol

Species: Rat

Test: LC50

Route of exposure: Dermal

Result: 3500 mg/kg

Substance: HYDROXYPROPYL METHACRYLATE

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 2000,1 mg/kg

Substance: HYDROXYPROPYL METHACRYLATE

Species: Rabbit

Test: LD50

Route of exposure: Dermal

Result: 5000 mg/kg

Skin corrosion/irritation

Data on substance: α,α -dimethylbenzyl hydroperoxide

Serious eye damage/irritation

Causes serious eye irritation.

Data on substance: α,α -dimethylbenzyl hydroperoxide

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

Data on substance: α,α -dimethylbenzyl hydroperoxide

Organism: Rat

Result: NOAEL > 100 mg/kg-d

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

SECTION 12: Ecological information

12.1. Toxicity

Substance: α,α -dimethylbenzyl hydroperoxide
 Species: Fish
 Test: LC50
 Duration: 96 h
 Result: 3,9 mg/l

Substance: ethanediol
 Species: Fish
 Test: LC50
 Duration: 96 h
 Result: 72860 mg/l

Substance: ethanediol
 Species: Daphnia
 Test: EC50
 Duration: 48 h
 Result: > 100 mg/l

Substance: ethanediol
 Species: Algae
 Test: EC50
 Duration: 963 h
 Result: 6500 - 13000 mg/l

Substance: ethanediol
 Species: Fish
 Test: NOEC
 Duration: 7 d
 Result: 15380 mg/l

Substance: ethanediol
 Species: Daphnia
 Test: NOEC
 Duration: 7 d
 Result: 8590 mg/l

Substance: HYDROXYPROPYL METHACRYLATE
 Species: Fish
 Test: LC50
 Duration: 48 h
 Result: 493 mg/l

Substance: HYDROXYPROPYL METHACRYLATE
 Species: Daphnia
 Test: EC50
 Duration: 48 h
 Result: 380 mg/l

Substance: HYDROXYPROPYL METHACRYLATE
 Species: Algae
 Test: EC50
 Duration: 72 h
 Result: > 97,2 mg/l

Substance: HYDROXYPROPYL METHACRYLATE
 Species: Algae
 Test: NOEC
 Duration: 72 h
 Result: 97,2 mg/l

According to EC-Regulation 2015/830

Substance: HYDROXYPROPYL METHACRYLATE
 Species: Daphnia
 Test: NOEC
 Duration: 21 d.
 Result: 24,1 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
ethanediol	Yes		90-100%, 10d.
HYDROXYPROPYL METHACRYLATE	Yes		94,2% 28 d

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
No data available.			

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

Waste

EWC code

08 04 09

waste adhesives and sealants containing organic solvents or other dangerous substances

Specific labelling

Not applicable

Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 – 14.4

Not dangerous goods according to ADR, IATA and IMDG.

ADR/RID

14.1. UN number	-
14.2. UN proper shipping name	-
14.3. Transport hazard class(es)	-
14.4. Packing group	-
Notes	-
Tunnel restriction code	-

IMDG

UN-no.	-
Proper Shipping Name	-
Class	-
PG*	-
EmS	-
MP**	-
Hazardous constituent	-

IATA/ICAO

UN-no.	-
Proper Shipping Name	-
Class	-
PG*	-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

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

Restrictions for application

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

-

Additional information

Not applicable

Seveso

-

Biocidal reg. no.

Not applicable

Sources

Council Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.

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 (CLP).

Regulation (EC) 1907/2006 (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H242 - Heating may cause a fire.

H302 - Harmful if swallowed.

H312 - Harmful in contact with skin.

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H331 - Toxic if inhaled.

H335 - May cause respiratory irritation.

H373 - May cause damage to organs through prolonged or repeated exposure^a.

H411 - Toxic to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

PC1 = Adhesives, Sealants

Additional label elements

Not applicable

Other

According to EC-Regulation 2015/830

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

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