

SAFETY DATA SHEET

In accordance with directive 1907/2006/EC, 2020/878
Version 2.0 Revision Date: 13-09-2022
Trade name: PU foam 40 A (UP 450 E)

Page: Page 1 of 7
Print Date: 27-12-2022

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

1.1 Product Identification:

Product name: PU foam 40 A (UP 450 E)

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

Main Use Category: Professional Use.

Uses advised against: Not suitable for "Do-it-yourself".

1.3 Details of the supplier of the safety data sheet:

Responsible distributor : ASSYST bvba / A.S.O.W. bvba
Hellegatstraat 13a
2590 Berlaar
Belgium
Tel: +32 495 50 61 14 / +32 496 83 70 27
Website: www.assyst.org / www.artsuppliesonweb.com
Email: ao@assyst.org / vera.opsommer@assyst.org

1.4 Emergency Phone Number:

For Belgium:

Call the **Poison Control Center (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.

NHS 24 Direct

For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

Classification according to Directive (EC) No 1272/2008 and its amendments.

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2 Label elements:

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

EUH210 Safety data sheet available on request.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3 Other hazards:

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Other Hazards:

No other hazards

SAFETY DATA SHEET

In accordance with directive 1907/2006/EC, 2020/878
Version 2.0 Revision Date: 13-09-2022
Trade name: PU foam 40 A (UP 450 E)

Page: Page 2 of 7
Print Date: 27-12-2022

SECTION 3: Composition and information on ingredients

3.2 Mixtures:

Chemical Name	CAS No. EC No. Index No. Registration number	Layout (Regulation (EC) No 1272/008)	Concentration (%)
Fosfato di tris(2-cloroisopropile)	13674-84-5 237-158-7 - 01-2119486772-26	Acute Tox. 4 H302	>= 20% - < 40%

For an explanation of the abbreviations, see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures:

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting.

OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None.

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

None.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

CO2 or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2 Special hazards arising from the substance or mixture:

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3 Advice for firefighters:

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately.

This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures for the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures:

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2 Environmental precautions:

Do not allow to enter into soil/subsoil.

Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In accordance with directive 1907/2006/EC, 2020/878
Version 2.0 Revision Date: 13-09-2022
Trade name: PU foam 40 A (UP 450 E)

Page: Page 3of 7
Print Date: 27-12-2022

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand.

6.3 Methods and material for containment and cleaning up:

Wash with plenty of water.

6.4 Reference to other sections:

See also section 8 and 13.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Do not eat or drink while working.

7.2 Conditions for safe storage, including any incompatibilities:

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3 Specific end use:

None in particular.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

No occupational exposure limit available

DNEL Exposure Limit Values

Fosfato di tris(2-cloroisopropile) - CAS: 13674-84-5

Consumer: 0.52 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 4 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Consumer: 1.04 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 11.2 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Consumer: 1.46 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

Fosfato di tris(2-cloroisopropile) - CAS: 13674-84-5

Target: Marine water - Value: 0.064 mg/l

Target: Fresh Water - Value: 0.64 mg/l

8.2 Exposure controls:

Eye protection:

Wear protective goggles (ref. Standard EN 166).

Protection for skin:

Safety shoes.

Wear work clothes with long sleeves and safety footwear for professional use of category I (REF. Dir. 89/686/EEC and EN 344).

Protection for hands:

Protect your hands with work gloves (ref. Directive 89/686 / EEC and its amendments and EN 374/2003)

Respiratory protection:

Use adequate protective respiratory equipment. (Ref. Dir. 89/686 / EEC, as amended – UNI PROTECTED / 1998 - UNI EN 529/2006)

Thermal Hazards:

None

Environmental exposure controls:

Prevent from entering sewers, basements or any place where its accumulation can be dangerous.

In accordance with directive 1907/2006/EC, 2020/878
Version 2.0 Revision Date: 13-09-2022
Trade name: PU foam 40 A (UP 450 E)

Page: Page 4 of 7
Print Date: 27-12-2022

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical state:	Liquid
Colour:	pale yellow
Odour:	low
Melting point/freezing point:	Not Relevant
Boiling point or initial boiling point and boiling range:	> 200°C
Flammability:	Not Relevant
Lower and upper explosion limit:	Not Relevant
Flash point:	> 100°C
Auto-ignition temperature:	Not Relevant
Decomposition temperature:	Not Relevant
pH:	7
Kinematic viscosity:	Not Relevant
Solubility in water:	soluble
Solubility in oil:	Not Relevant
Partition coefficient n-octanol/water (log value):	Not Relevant
Vapour pressure:	Not Relevant
Density and/or relative density:	1.00 - 1.02 g/ml@25°C
Relative vapour density:	Not Relevant
Particle characteristics:	
Particle size:	Not Relevant
9.2 Other information	
Viscosity:	700 - 1.000 mPas@25°C.

SECTION 10: Stability and reactivity

10.1 Reactivity:

There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical Stability:

The product is stable in normal conditions of use and storage.

10.3 Potential Hazardous Reactions:

None.

10.4 Conditions to Avoid:

Stable under normal conditions.

10.5 Chemically Interacting Materials:

None in particular.

10.6 Hazardous Decomposition Products:

None.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

Fosfato di tris(2-cloroisopropile) - CAS: 13674-84-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 500-2.000 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2.000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 7 mg/l

In accordance with directive 1907/2006/EC, 2020/878
Version 2.0 Revision Date: 13-09-2022
Trade name: PU foam 40 A (UP 450 E)

Page: Page 5 of 7
Print Date: 27-12-2022

If not differently specified, the information required in Regulation (EU)2020/878 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration \geq 0.1%

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Fosfato di tris(2-cloroisopropile) - CAS: 13674-84-5

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 131 mg/l - Duration h: 48

12.2. Persistence and degradability

UP 450 E

Biodegradability: No data available.

Fosfato di tris(2-cloroisopropile) - CAS: 13674-84-5

Biodegradability: Not easily biodegradable

12.3. Bioaccumulative potential

UP 450 E

Bioaccumulation: Information not available

Fosfato di tris(2-cloroisopropile) - CAS: 13674-84-5

Bioaccumulation: Not bioaccumulative

12.4. Mobility in soil

UP 450 E

Mobility in soil: No data available

Fosfato di tris(2-cloroisopropile) - CAS: 13674-84-5

Mobility in soil: No data available

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration \geq 0.1%

12.7. Other adverse effects

None

SECTION 13: Instructions for disposal

13.1 Waste treatment methods:

Recover if possible.

In so doing, comply with the local and national regulations currently in force.

SECTION 14: Information relating to carriage

14.1 UN number

Not classified as dangerous in the meaning of transport regulations.

In accordance with directive 1907/2006/EC, 2020/878
Version 2.0 Revision Date: 13-09-2022
Trade name: PU foam 40 A (UP 450 E)

Page: Page 6of 7
Print Date: 27-12-2022

14.2 Proper load name according to UN Model Regulations

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for the user

Not applicable.

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

Not applicable for product as delivered.

SECTION 15: Legally required information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 2020/878

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

None

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2 Chemical Safety Assessment:

No chemical safety assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of the H statements

H302 Harmful if swallowed.

SAFETY DATA SHEET

In accordance with directive 1907/2006/EC, 2020/878
Version 2.0 Revision Date: 13-09-2022
Trade name: PU foam 40 A (UP 450 E)

Page: Page 7 of 7
Print Date: 27-12-2022

Full text of other abbreviations

Hazard class and hazard category

Acute Tox. 4 3.1/4/Oral Acute toxicity (oral), Category 4

This safety data sheet has been completely updated in compliance to Regulation 2020/878.
This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition – Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date.
It refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.