

FIRE FOAM PINK (750 ml)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 9/21/2020 Revision date: 3/13/2020 Supersedes version of: 5/14/2014 Version: 7.0

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

1.1. Product identifier

Product form : Mixture
Trade name : FIRE FOAM PINK (750 ml)
UFI : OCE9-Y0N9-P002-16NU
Product code : 3405

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Foam

1.2.2. Uses advised against

Restrictions on use : All users not mentioned in this chapter or in chapter 7.3

1.3. Details of the supplier of the safety data sheet

Pro Part International
Molenakker 3
5953 TW Reuver - Nederland
T +31 (0) 77 476 2204
info@propart-international.com - www.propart-international.com

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol, Category 1	H222;H229
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Respiratory sensitisation, Category 1	H334
Skin sensitisation, Category 1	H317
Carcinogenicity, Category 2	H351
Specific target organ toxicity — Single exposure, Category 3,	H335
Respiratory tract irritation	
Specific target organ toxicity — Repeated exposure, Category 2	H373

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02



GHS07



GHS08

Signal word, (CLP) :

Danger

Contains :

4,4'-Methylene diphenyl diisocyanate, isomers and homologue

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Hazard statements (CLP)	: H222 - Extremely flammable aerosol. H229 - Pressurised container: May burst if heated. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 - May cause respiratory irritation. H351 - Suspected of causing cancer. H373 - May cause damage to organs through prolonged or repeated exposure.
Precautionary statements (CLP)	: P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 - Do not spray on an open flame or other ignition source. P251 - Do not pierce or burn, even after use. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves, protective clothing, eye protection, face protection. 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. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 122 °F, 50 °C. P501 - Dispose of Contents and container, to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
EUH-statements	: EUH204 - Contains isocyanates. May produce an allergic reaction.
Extra phrases	: Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

2.3. Other hazards

Other hazards not contributing to the classification : The product does not meet the PBT and vPvB classification criteria.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : Blend of
Organic materials

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
4,4'-Methylene diphenyl diisocyanate, isomers and homologue	(CAS-No.) 9016-87-9	40 – 60	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
Polymer with 2-Butyne-1,4-Diol and (Chloromethyl-)Oxirane, Brominated, Dehydrochlorinated, Methoxylated	(CAS-No.) 86675-46-9 (EC-No.) 617-903-6 (REACH-no) 01-2119972940-30	10 – 20	Acute Tox. 4 (Oral), H302

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Reaction products of phosphoryl trichloride and 2-methyloxirane	(CAS-No.) 1244733-77-4 (EC-No.) 807-935-0 (REACH-no) 01-2119486772-26	10 – 20	Acute Tox. 4 (Oral), H302
1,1-difluoroethane	(CAS-No.) 75-37-6 (EC-No.) 200-866-1	5 – 10	Flam. Gas 1, H220 Press. Gas (Comp.), H280
BUTANE	(CAS-No.) 75-28-5 (EC-No.) 200-857-2 (EC Index-No.) 601-004-00-0 (REACH-no) 01-2119485395-27	2.5 – 5	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
dimethyl ether	(CAS-No.) 115-10-6 (EC-No.) 204-065-8 (EC Index-No.) 603-019-00-8 (REACH-no) 01-2119472128-37	2.5 – 5	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
PROPANE	(CAS-No.) 74-98-6 (EC-No.) 200-827-9 (EC Index-No.) 601-003-00-5 (REACH-no) 01-2119486944-21	1 – 2.5	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
triethyl phosphate	(CAS-No.) 78-40-0 (EC-No.) 201-114-5 (EC Index-No.) 015-013-00-7	1 – 2.5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319

Comments

: To obtain more information on the hazards of the substances consult sections 11, 12 and 16

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general

: Symptoms may be delayed. IF exposed or concerned: Get medical advice/attention. When in doubt or if symptoms are observed, get medical advice. If possible show him this sheet. Failing this, show him the packaging or label.

First-aid measures after inhalation

: Move the affected person away from the contaminated area and into the fresh air. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice/attention.

First-aid measures after skin contact

: Remove contaminated clothing and shoes. For even minor contact, immediately remove contaminated clothing. Wash skin thoroughly with mild soap and water. or shower. Use cold water. (neutral soap). Consult a physician after significant exposure. Thermal burns : Do not remove clothing if it sticks to the skin. When blistering on the skin, do not puncture it, this increases the risk of infection.

First-aid measures after eye contact

: Flush with lukewarm water for 15 minutes. Do not allow the affected person to rub their eyes or close their eyes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. If possible show this sheet, if not available show packaging or label.

First-aid measures after ingestion

: Do NOT induce vomiting. If the affected person has to vomit, keep the head down to avoid aspiration. Keep the victim calm, avoid physical strain. Rinse the mouth and throat, they may be affected during ingestion.

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

Symptoms/effects

: Most important symptoms and effects, both acute and delayed. See Heading 2. Refer to section 11.

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

No additional data.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Recommended. polyvalent powders. (ABC-powder). use as an alternative. CO²-extinguishing agents. Foam.
- Unsuitable extinguishing media : The use of water jets as an extinguishing agent is not recommended.

5.2. Special hazards arising from the substance or mixture

- Reactivity in case of fire : As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3. Advice for firefighters

- Firefighting instructions : Prevent extinguishing media from entering the aquatic environment.
- Protection during firefighting : Depending on the size of the fire, it is wise. do not enter fire area without proper protective equipment, including respiratory protection.
- Other information : Availability of a minimum of emergency installations or emergency equipment (fire blankets, first aid kit). Act in accordance with local emergency plan. Remove all sources of ignition. Prolonged exposure to fire may cause containers to rupture/explode. In case of fire, cool the vessels and storage tanks of products susceptible to ignition, explosion or boiling liquid-gas explosion due to high temperatures.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8.
- Emergency procedures : Evacuate area. Only qualified personnel equipped with suitable protective equipment may intervene.
- Measures in case of dust release : Try to stop release if without risk.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

This product is not classified as dangerous for the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Absorb remaining liquid with sand or inert absorbent and remove to safe place. Do not absorb in saw-dust or other combustible absorbents.
- Methods for cleaning up : For further information refer to section 13.

6.4. Reference to other sections

See Heading 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Handle in accordance with applicable legislation to prevent industrial risks. Keep container closed when not in use. Prevent leakage from the packaging. Try to stop release if without risk. Dispose of empty containers and wastes safely. See Heading 6. Handle in accordance with good industrial hygiene and safety procedures. Product is not flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Refer to Section 10 on Incompatible Materials. It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3).

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Hygiene measures : Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Avoid sources of radiation and static electricity. Store away from heat. Avoid contact with food. For further information refer to section 10.5.
Storage conditions : Store in a well-ventilated place. Keep cool. Store under dry conditions.
Heat and ignition sources : Keep away from heat.

7.3. Specific end use(s)

Field of application of the product is described in Technical data sheet (TDS).

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

dimethyl ether (115-10-6)	
EU - Occupational Exposure Limits	
Local name	Dimethylether
IOELV TWA (mg/m ³)	1920 mg/m ³
IOELV TWA (ppm)	1000 ppm
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Netherlands - Occupational Exposure Limits	
Local name	Dimethylether
Grenswaarde TGG 8H (mg/m ³)	950 mg/m ³
Regulatory reference	Arbeidsomstandighedenregeling 2020
dimethyl ether (115-10-6)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, inhalation	1894 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, inhalation	471 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0.155 mg/l
PNEC aqua (marine water)	0.016 mg/l
PNEC aqua (intermittent, freshwater)	1.549 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.681 mg/kg
PNEC sediment (marine water)	0.069 mg/kg
PNEC (Soil)	
PNEC soil	0.045 mg/kg
PNEC (STP)	
PNEC sewage treatment plant	160 mg/l

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triethyl phosphate (78-40-0)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	26.6 mg/kg bodyweight/day
Acute - systemic effects, inhalation	93.6 mg/m ³
Acute - local effects, inhalation	93.6 mg/m ³
Long-term - systemic effects, dermal	3.33 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	11.7 mg/m ³
Long-term - local effects, inhalation	11.7 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	13.3 mg/kg bodyweight
Acute - systemic effects, inhalation	23.12 mg/m ³
Acute - systemic effects, oral	13.3 mg/kg bodyweight
Acute - local effects, inhalation	23.12 mg/m ³
Long-term - systemic effects, oral	1.66 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.89 mg/m ³
Long-term - systemic effects, dermal	1.66 mg/kg bodyweight/day
Long-term - local effects, inhalation	23.12 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0.632 mg/l
PNEC (STP)	
PNEC sewage treatment plant	298.5 mg/l

8.2. Exposure controls

Appropriate engineering controls:

In accordance with the occupational exposure ranking, targeted extraction in the workspace is recommended as a collective protection measure to avoid exceeding occupational exposure limits. If personal protective equipment is used, it must have the "CE marking". For more information about personal protective equipment (storage, use, cleaning, maintenance, protection level ...), consult the information brochure provided by the PPE manufacturer. The directions in this section refer to the pure product. The protective measures for the diluted product may vary according to their degree of mixing, use, method of application, etc. In order to determine the obligation to install emergency showers and / or eye baths in the warehouses, the applicable standards for storage must be taken into account. of chemicals. For more information, see chapter 7.1 & 7.2.

Hand protection:

Time of penetration is to be checked with the glove producer. Do not use a protective cream after the product has come into contact with the skin. Since the product consists of several substances, the durability of the glove material cannot be estimated and needs to be tested before use.

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
NON-disposable chemical protection gloves, CE CAT. III					EN ISO 374-1, EN 374-3, EN 420

Eye protection:

The equipment must be cleaned thoroughly after each use. Refer to the recommendations of the supplier.

Type	Use	Characteristics	Standard
Face shield			EN 166, EN 167, EN 168, ,

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Skin and body protection:	
EN ISO 13688. Replace boots at any sign of deterioration.	
Type	Standard
Disposable clothing for protection against chemical hazards, Antistatic clothing, Fire-resistant protective clothing	EN 464, EN 1149-1, EN 1149-2, EN 1149-3, EN 13034, EN ISO 6529, EN ISO 6530, EN ISO 13982-1
Chemical safety shoes with anti-static and heat resistant properties	EN ISO 13287, EN ISO 20345, EN 13832-1
Safety shower, additional emergency measures	
Eye bath, additional emergency measures	

Respiratory protection:			
Replace when an increase in resistance to breathing is observed and/or a smell or taste of the contaminant is detected. Filter mask for gases, vapors and small particles			
Device	Filter type	Condition	Standard
Filter mask for gases, vapors and small particles		CE CAT. III	EN 149, EN 405

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment. For further information refer to section 7.4D.

Other information:

ISO3864-1.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquidat
Appearance	: Aerosol. at 20 °C.
Colour	: Not available.
Odour	: Not available.
Odour threshold	: Not applicable*
pH	: Not applicable.*
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable*
Freezing point	: Not applicable*
Boiling point	: -12 °C (Propellant spray)
Flash point	: -83 °C (Propellant)
Auto-ignition temperature	: 460 °C (Propellant)
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable*
Vapour pressure	: No data available
Vapour pressure at 50 °C	: Not applicable*
Relative vapour density at 20 °C	: No data available
Relative density	: Not applicable*
Density	: 1050 kg/m ³ @ 20°C
Solubility	: Not applicable. Water: Not applicable*
Partition coefficient n-octanol/water (Log Pow)	: Not applicable*
Viscosity, kinematic	: No data available
Viscosity, dynamic	: Not applicable*

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Explosive properties	: Not applicable.
Oxidising properties	: Not applicable.
Lower explosive limit (LEL)	: Not applicable*
Upper explosive limit (UEL)	: Not applicable*

9.2. Other information

VOC content	: 11.32 % (supply) weight
Refractive index	: Not applicable*
Other properties	: Concentration (%) Volatile organic compounds (VOC) : 124,47 kg/m ³ (124,47 g/L) @ 20°C. Average Carbon number 6. Average molecular weight 182,2. g/mol.
Additional information	: * Not applicable due to the nature of the product, where no characteristic information about its hazardous nature is provided

SECTION 10: Stability and reactivity

10.1. Reactivity

None under recommended storage and handling conditions (see section 7).

10.2. Chemical stability

Stable under normal conditions of use. Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4. Conditions to avoid

Heating creates the risk of ignition. Protect from sunlight.

10.5. Incompatible materials

Acids. Oxidizing agent. Alkalines. Strong bases.

10.6. Hazardous decomposition products

See 10.3. 10.4. 10.5. Possibility of hazardous reactions. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for ingestion. For further information see section 3. Taking a considerable dose can cause throat irritation, abdominal pain, nausea and vomiting.
Acute toxicity (dermal)	: Causes skin inflammation. Causes eye damage after contact.
Acute toxicity (inhalation)	: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For further information see section 3. Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

FIRE FOAM PINK (750 ml)	
ATE CLP (oral)	2508.28 mg/kg
ATE CLP (dermal)	2000 mg/kg
ATE CLP (vapours)	23.16 mg/l/4h
ATE CLP (dust,mist)	23.16 mg/l/4h

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4,4'-Methylene diphenyl diisocyanate, isomers and homologue (9016-87-9)	
LD50 oral	> 2000 mg/kg
LD50 dermal	> 2000 mg/kg
LC50 inhalation rat (mg/l)	11 mg/l/4h (ATEi)

BUTANE (75-28-5)	
LD50 oral	> 2000 mg/kg
LD50 dermal	> 2000 ml/kg
LC50 inhalation rat (mg/l)	> 5 mg/l/4h

dimethyl ether (115-10-6)	
LD50 oral	> 2000 mg/kg
LD50 dermal	> 2000 mg/kg
LC50 inhalation rat (mg/l)	308.5 mg/l/4h

PROPANE (74-98-6)	
LD50 oral	> 2000 mg/kg
LD50 dermal	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5 mg/l/4h

Reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4)	
LD50 oral rat	632 mg/kg
LD50 dermal	> 2000 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 20 mg/l/4h

Polymer with 2-Butyne-1,4-Diol and (Chloromethyl-)Oxirane, Brominated, Dehydrochlorinated, Methoxylated (86675-46-9)	
LD50 oral rat	917 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/l/4h

triethyl phosphate (78-40-0)	
LD50 oral	500 mg/kg (ATEi)
LD50 dermal	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/l/4h

1,1-difluoroethane (75-37-6)	
LD50 oral	> 2000 mg/kg
LD50 dermal	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5 mg/l/4h

Skin corrosion/irritation : May cause dermatitis by skin contact
pH: Not applicable.*

Serious eye damage/irritation : Causes serious eye irritation.
pH: Not applicable.*

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- Respiratory or skin sensitisation : Overexposure may be irritating to the respiratory system. Repeated or prolonged contact may cause allergic reactions in very susceptible persons. Intensive skin contact, may cause skin problems (contact dermatitis)
- Germ cell mutagenicity : Based on available data, the classification criteria are not met. For further information see section 3
- Carcinogenicity : Exposure to this product can cause cancer. For more specific information on the possible health effects see section 2.

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IARC group	4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate,3 - Not classifiable
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- Reproductive toxicity : Based on available data, the classification criteria are not met. For further information see section 3
- STOT-single exposure : Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.
- STOT-repeated exposure : - Specific target organ toxicity (STOT)-repeated exposure: Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness. - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information, see chapter 3
- Aspiration hazard : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information, see chapter 3
- Potential adverse human health effects and symptoms : In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure.
- Other information : The experimental information related to the toxicological properties of the product itself is not available. Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

SECTION 12: Ecological information

12.1. Toxicity

- Ecology - general : The experimental information related to the eco-toxicological properties of the product itself is not available.
- Hazardous to the aquatic environment, short-term (acute) : Not classified
- Hazardous to the aquatic environment, long-term (chronic) : Not classified

Reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4)

LC50 fish 1	100 mg/l
EC50 Daphnia 1	131 mg/l
EC50 72h algae (1)	82 mg/l

1,1-difluoroethane (75-37-6)

LC50 fish 1	295.783 mg/l
LC50 fish 2	719.611 mg/l

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EC50 other aquatic organisms 1	146.695 mg/l
EC50 96h algae (1)	168.276 mg/l

12.2. Persistence and degradability

Reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4)

Biodegradation	14 % 20 mg/L 28d
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12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water (Log Pow)	Not applicable*
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BUTANE (75-28-5)

BCF fish 1	27
Partition coefficient n-octanol/water (Log Pow)	2.76
Bioaccumulative potential	Low.

PROPANE (74-98-6)

BCF fish 1	13
Partition coefficient n-octanol/water (Log Pow)	2.86
Bioaccumulative potential	Low.

Reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4)

Bioconcentration factor (BCF REACH)	8
Partition coefficient n-octanol/water (Log Pow)	3.17
Additional information	Potential to bioaccumulate is low

12.4. Mobility in soil

BUTANE (75-28-5)

Mobility in soil	Henry 120576,75 Pa·m ³ /mol
Surface tension	9.84 N/m E-3 (25°)
Partition coefficient n-octanol/water (Log Koc)	35

dimethyl ether (115-10-6)

Surface tension	1.136 N/m E-2 (25°C)
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PROPANE (74-98-6)

Mobility in soil	Henry 71636,78 Pa·m ³ /mol
Surface tension	7.02 N/m E-3 (25°C)
Partition coefficient n-octanol/water (Log Koc)	460

Reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4)

Partition coefficient n-octanol/water (Log Koc)	324.2 Henry 6E-3 Pa. m ³ /mol
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triethyl phosphate (78-40-0)

Surface tension 2.961 N/m (E-2 25°C)

12.5. Results of PBT and vPvB assessment

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Results of PBT assessment The product does not meet the PBT and vPvB classification criteria

12.6. Other adverse effects

Additional information : No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014. National legislation: Regulation of the Secretary of State for Infrastructure and the Environment of 7 February 2011, no. BJZ2011034906, Law 2011/103, Decree 2011/104.

Waste treatment methods : Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

European List of Waste (LoW) code : 16 05 04* - gases in pressure containers (including halons) containing dangerous substances

HP Code : HP3 - "Flammable:"
— flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
— flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
— flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
— flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;
— water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
— other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.
HP4 - "Irritant — skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.
HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.
HP6 - "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.
HP13 - "Sensitising:" waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs.
HP7 - "Carcinogenic:" waste which induces cancer or increases its incidence

SECTION 14: Transport information





In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 1950	UN 1950	UN 1950	Not applicable	UN 1950

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14.2. UN proper shipping name				
AEROSOLS, flammable	AEROSOLS, flammable	Aerosols, flammable	Not applicable	AEROSOLS, flammable
Transport document description				
UN 1950 AEROSOLS, flammable, 2.1, (D)	UN 1950 AEROSOLS, flammable, 2.1	UN 1950 Aerosols, flammable, 2.1	Not applicable	UN 1950 AEROSOLS, flammable, 2.1
14.3. Transport hazard class(es)				
2.1	2.1	2.1	Not applicable	2.1
			Not applicable	
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Not applicable	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

Overland transport

Special provisions (ADR) : 190, 327, 344, 625
Limited quantities (ADR) : 1I
Tunnel restriction code (ADR) : D

Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 959
Limited quantities (IMDG) : 1 L
EmS-No. (Fire) : F-D
EmS-No. (Spillage) : S-U

Air transport

No data available

Inland waterway transport

Not applicable

Rail transport

Special provisions (RID) : 190, 327, 344, 625
Limited quantities (RID) : 1L
Transport category (RID) : 2

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

IBC code : Not applicable.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

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VOC content : 11.32 % (supply) weight

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Other information, restriction and prohibition regulations : Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc.):
Contains more than 0.1 % of 4,4'-methylenediphenyl diisocyanate, isomers and homologues by weight. This product may not be distributed in its present form for first-time sale to the general public after 27th December 2010 unless the packaging contains protective gloves meeting the provisions of European Council Directive 89/686/CEE.
Shall not be used in:
— ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays
— tricks and jokes
— games for one or more participants, or any article intended to be used as such, even with ornamental aspects.
Specific provisions in terms of protecting people or the environment:
It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.
Other legislation:
The product could be affected by sectorial legislation. Regulation of the State Secretary for Infrastructure and the Environment of 7 February 2011, no. BJZ2011034906, to amend a number of ministerial regulations related to the implementation of Directive 2008/98 / EC of the European Parliament and of the Council
of the European Union of 19 November 2008 on waste and repealing a number of directives (PbEU L 312).
Act of 3 February 2011 amending the Environmental Management Act, the Environmental Taxes Act and the Environmental Protection Act
economic offenses for the implementation of Directive 2008/98 / EC of the European Parliament and of the Council
of the European Union of 19 November 2008 on waste and repealing a number of directives (PbEU L 312)
(Implementation Act EC Framework Directive on waste).
Decision of 11 February 2011 to amend a number of general administrative measures in connection with the implementation
of Directive 2008/98 / EC of the European Parliament and of the Council of the European Union of 19 November 2008 on
waste and repealing a number of directives (PbEU L 312).
Implementation Act EC Regulation Registration, Evaluation and Authorization of chemical substances (REACH) (Stbld. 181, 2007)
Decree to repeal the Safety Data Sheet Decree, Environmentally Hazardous Substances Act and adapt some of the
Environmental Management Act residing decisions related to the entry into force of the EC Regulation Registration, Evaluation and
Chemical Authorization (REACH) (Stbld. 183, 2007)
Amendments to the Regulation on the Authorization of Pesticides 1995 and the Regulations on the Risk Assessment of New Substances (Environmentally Hazardous Substances Act) (Government Gazette 93, 2007)
Decision of 29 April 2008 amending various general administrative measures to implement the EC regulation
Registration, Evaluation and Authorization of Chemicals (REACH) and as a result of the transfer of the provisions of
the Environmentally Hazardous Substances Act according to the Environmental Management Act (amendment of amvb's in implementation of REACH) (Stbld. 160, 2008)
Regulation of the Minister of Housing, Spatial Planning and the Environment of 21 May 2008, no. BJZ2008050015,
amending a number of regulations in connection with the entry into force of the EC Regulation, evaluation
and authorization of chemical substances (REACH) and as a result of the repeal of the Environmentally Hazardous Substances Act and the
transfer of some provisions of the Environmentally Hazardous Substances Act to the Environmental Management Act (amendment of regulations for
implementation of REACH) (Government Gazette 101, 2008)
Government Gazette of 28 December 2006, no. 252 (appendices XIII A and XIII B of the new, amended
Working conditions scheme).

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Government Gazette of 15 June 2011, no. 10255 (amendment and addition of limit values)
Government Gazette of 4 May 2010, no. 6707 (amendment of 4 limit values)
Government Gazette of 22 April 2008, no. 78 (introduction of limit values / breakdown of list of limit values for carcinogenic substances)
Government Gazette of 2 January 2008, no. 1 (amendment / addition / introduction of limit values)
Decree Designating supervisory officials for VROM regulations (Government Gazette 100, 2007) in which the enforcers for the enforcement of REACH are recommended.
Council Directive 75/324 / EEC of 20 May 1975 on the approximation of the laws of the Member States on aerosols
Commission Directive 94/1 / EC of 6 January 1994 technical adaptation of Council Directive 75/324 / EEC on the approximation of the laws of the Member States relating to aerosol dispensers
Commission Directive 2008/47 / EC of 8 April 2008 amending in order to adapt to technical specifications progress, Council Directive 75/324 / EEC on the approximation of the laws of the Member States concerning aerosols
Commission Directive 2013/10 / EU of 19 March 2013 amending Council Directive 75/324 / EEC on the approximation of Member States' laws on aerosols in order to provide for their labeling requirements to be adapted to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labeling and packaging of substances and mixtures
COMMISSION DIRECTIVE (EU) 2016/2037 of 21 November 2016 amending Council Directive 75/324 / EEC on the maximum permissible pressure of aerosols and in order to adapt their labeling requirements to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labeling and packaging of substances and mixtures. Council Directive 75/324/EEC of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers. Commission Directive 94/1/EC of 6 January 1994 adapting some technicalities of Council Directive 75/324/EEC on the approximation of the laws of the relating Member States to aerosol dispensers. Commission Directive 2008/47/EC of 8 April 2008 amending, for the purposes of adapting to technical progress, Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers. Commission Directive 2013/10/EU of 19 March 2013 amending Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures. COMMISSION DIRECTIVE (EU) 2016/2037 of 21 November 2016 amending Council Directive 75/324/EEC as regards the maximum allowable pressure of aerosol dispensers and to adapt its labelling provisions to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

Directive 2012/18/EU (SEVESO III)

Seveso Additional information : Seveso III : P3a, Lower-Tier requirements:150, Upper-Tier requirements: 500

15.1.2. National regulations

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed
SZW-lijst van mutagene stoffen : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

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NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Training advice : Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1	Flammable gases, Category 1
Flam. Gas 1A	Flammable gases, Category 1A
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
EUH204	Contains isocyanates. May produce an allergic reaction.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.