SAFETY DATA SHEET
ProOne Gun Foam NBS B245

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008
This SDS is for generic information purposes and does not reflect required country specific information for OEL
Last revision: 16-03-2021 V1

01 Identification of the substance/mixture and of the company/undertaking

1. Product identifier

Product Name: ProOne Gun Foam NBS B245
Article number: new, to be created
Pure substance/mixture: mixture

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

Recommended use: building and construction work
Uses advised against: none known.

3. Details of the supplier of the safety data sheet

BME Group Sourcing B.V.
Walaardt Sacréstraat 405
1117 BM Schiphol
The Netherlands
+31 (0)20 800 34 00
info@pro-one.nl
www.bme-group.com

4. Emergency telephone number

Emergency telephone: no information available.

02 Hazards identification

1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Acute toxicity - Inhalation (Vapours):
Category 4 - (H332)
Acute toxicity - Inhalation (Dusts/Mists):
Category 4 - (H332)
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)
Specific target organ toxicity - repeated exposure:
Category 2 - (H373)
Aerosols:
Category 1 - (H222, H229)

2. Label elements

Contains Isocyanic acid, polymethylenepolyphenylene ester.

A. Signal word

Danger

B. Hazard statements

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.
H222: Extremely flammable aerosol.
H229: Pressurised container, may burst if heated.

C. EU Specific Hazard Statements

EEUH204: Contains isocyanates. May produce an allergic reaction.

D. Precautionary Statements - EU (§28, 1272/2008)

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: Pressurized container, do not pierce or burn, even after use.
P260: Do not breathe mist/vapours/spray.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves and eye/face protection.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position 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.
P342 + P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

P405: Store locked up.
P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501: Dispose of contents as hazardous waste in accordance with local/regional/national/international regulations.

E. Special provisions concerning the labelling of certain mixtures

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. As from 24 August 2023 adequate training is required before industrial or professional use.

F. Additional information

This product requires tactile warnings if supplied to the general public.

3. Other hazards

In case of insufficient ventilation and/or through use, the formation of a explosive/highly flammable mixture is possible. During transportation by car the cans should stand upright in the cargo space. When foaming the propellants are highly flammable. The mentioned hazards are valid for the non-reacted content of the can or of the fresh foam. May be harmful if swallowed.
PBT & vPvB: this mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

03 Composition/information on ingredients

1. Substances

Not applicable.

2. Mixtures

04 First aid measures

1. Description of first aid measures

A. General advice

IF exposed or concerned: get medical advice/attention.

B. Inhalation

Remove to fresh air. Get medical attention immediately if symptoms occur.

C. Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing.

D. Skin contact

Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions see a doctor.

E. Ingestion

Do NOT induce vomiting. Drink 1 or 2 glasses of water. Call a doctor or poison control centre immediately.

F. Self-protection of the first aider

Remove all sources of ignition. Use personal protective equipment as required. Do not breathe vapour or mist. Avoid contact with skin, eyes or clothing.

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

Symptoms: may cause allergy or asthma symptoms or breathing difficulties if inhaled.

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

Note to doctors: may cause sensitisation in susceptible persons. Treat symptomatically. Delayed health effects. Delayed pulmonary edema may occur.

05 Firefighting measures

1. Extinguishing media

Suitable extinguishing media: water spray, carbon dioxide (CO_2), dry chemical, alcohol-resistant foam.
Unsuitable extinguishing media: no information available.

Chemical name	*EC No*	*CAS No*	*Weight-%*	*Classification according to Regulation (EC) No. 1272/2008 [CLP]*	*Specific concentration limit (SCL)*	*REACH registration number*
Isocyanic acid, polymethylenepolyphenylene ester	618-498-9	9016-87-9	40 - < 80	STOT SE 3 (H335) STOT RE 2 (H373) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Resp. Sens. 1 (H334) Skin Sens. 1 (H317) Carc. 2 (H351) Acute Tox. 4 (H332)	STOT SE 3 :: C > = 5% Skin Irrit. 2 :: C > = 5% Eye Irrit. 2 :: C > = 5% Resp. Sens. 1 :: C > = 0.1%	[7]
Phosphorous oxychloride, reaction products with propylene oxide	807-935-0	1244733-77-4	10 - < 20	Acute Tox. 4 (H302)		01-2119486772-26-XXXX
Dimethyl ether	204-065-8	115-10-6	5 - < 10	Flam. Gas 1 (H220) Press. Gas		01-2119472128-37-XXXX
Halogenated polyetherpolyol	-	68441-62-3	1 - < 2.5	Eye Irrit. 2 (H319) Acute Tox. 4 (H302)		[7]

NOTE [7]: no registration number is given for this substance because it is a polymer exempted from registration according to the provisions of Article 2(9) of REACH. All monomers or other substances within the polymer are registered or exempt from registration.

Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL.
This product does not contain candidate substances of very high concern at a concentration > = 0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59).

2. *Special hazards arising from the substance or mixture*
   Keep product and empty container away from heat and sources of ignition. Risk of ignition. In the event of fire, cool tanks with water spray. Containers may explode when heated.
   Hazardous combustion products: Carbon monoxide. Carbon dioxide (CO_2). Nitrogen oxides (NOx). Hydrogen cyanide. Isocyanates. Hydrogen chloride.
3. *Advice for firefighters*
   Special protective equipment and precautions for fire-fighters: firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

06 Accidental release measures

1. *Personal precautions, protective equipment and emergency procedures*
   Personal precautions: use personal protective equipment as required. Take precautionary measures against static discharges. Remove all sources of ignition. Ensure adequate ventilation. Do not breathe vapour or mist. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing.
   Other information: ventilate the area. Refer to protective measures listed in Sections 7 and 8.
   For emergency responders: use personal protection recommended in Section 8.
2. *Environmental precautions*
   Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
3. *Methods and material for containment and cleaning up*
   Methods for containment: use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.
   Methods for cleaning up: take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.
   Prevention of secondary hazards: clean contaminated objects and areas thoroughly observing environmental regulations.
4. *Reference to other sections*
   See section 8 and 13 for more information.

07 Handling and storage

1. *Precautions for safe handling*
   Advice on safe handling: ensure adequate ventilation. Do not breathe vapour or mist. Take precautionary measures against static discharges. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Avoid contact with skin, eyes or clothing. Do not puncture or incinerate cans. Contents under pressure. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.
   General hygiene considerations: do not eat, drink or smoke when using this product. Wash hands and face before breaks and immediately after handling the product. Take off all contaminated clothing and wash it before reuse.
2. *Conditions for safe storage, including any incompatibilities*
   Storage conditions: protect from sunlight. Store in a well-ventilated place. Keep at a temperature not exceeding 50°C. Keep away from open flames, hot surfaces and sources of ignition. Store in accordance with the particular national regulations. Do not contaminate food or feed stuffs.
3. *Specific end use(s)*
   Specific use(s): building and construction work. Aerosol.
   Risk Management Methods (RMM): the information required is contained in this Safety Data Sheet.
   Other information: observe technical data sheet.

08 Exposure controls/personal protection

1 *Control parameters*
Exposure limits
Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

Chemical name	*European Union*
Dimethyl ether 115-10-6	TWA: 1000 ppm TWA: 1920 mg/m³

Derived No Effect Level (DNEL): no information available.

Derived No Effect Level (DNEL)

Phosphorous oxychloride, reaction products with propylene oxide (1244733-77-4)

Type	*Exposure route*	*Derived No Effect Level (DNEL)*
Worker, Long term Systemic health effects	Inhalation	8.2 mg/m³
Worker, Short term Systemic health effects	Inhalation	22.6 mg/m³
Worker, Long term Systemic health effects	Dermal	2.91 mg/kg bw/d

Dimethyl ether (115-10-6)

Type	*Exposure route*	*Derived No Effect Level (DNEL)*
Worker, Long term Systemic health effects	Inhalation	1894 mg/m³

Halogenated polyetherpolyol (68441-62-3)

Type	*Exposure route*	*Derived No Effect Level (DNEL)*
Worker, Long term Systemic health effects	Inhalation	6 mg/m³
Worker, Long term Systemic health effects	Dermal	0.87 mg/kg bw/d

Derived No Effect Level (DNEL)

Phosphorous oxychloride, reaction products with propylene oxide (1244733-77-4)

Type	*Exposure route*	*Derived No Effect Level (DNEL)*
Consumer, Long term Systemic health effects	Inhalation	1.45 mg/m³
Consumer, Short term Systemic health effects	Inhalation	5.6 mg/m³
Consumer, Long term Systemic health effects	Dermal	1.04 mg/kg bw/d
Consumer, Long term Systemic health effects	Oral	0.52 mg/kg bw/d
Consumer, Short term Systemic health effects	Oral	2 mg/kg bw/d

Dimethyl ether (115-10-6)		
Type	*Exposure route*	*Derived No Effect Level (DNEL)*
Consumer, Long term Systemic health effects	Inhalation	471 mg/m³

Halogenated polyetherpolyol (68441-62-3)		
Type	*Exposure route*	*Derived No Effect Level (DNEL)*
Consumer, Long term Systemic health effects	Inhalation	1.5 mg/m³
Consumer, Long term Systemic health effects	Dermal	0.435 mg/kg bw/d

Predicted No Effect Concentration (PNEC): no information available.

Predicted No Effect Concentration (PNEC)	
Phosphorous oxychloride, reaction products with propylene oxide (1244733-77-4)	
Environmental compartment	*Predicted No Effect Concentration (PNEC)*
Freshwater	0.32 mg/l
Marine water	0.032 mg/l
Sewage treatment plant	19.1 mg/l
Freshwater sediment	11.5 mg/kg dry weight
Marine sediment	1.15 mg/kg dry weight
Soil	0.34 mg/kg dry weight

Dimethyl ether (115-10-6)	
Environmental compartment	*Predicted No Effect Concentration (PNEC)*
Freshwater	0.155 mg/l
Marine water	0.016 mg/l
Microorganisms in sewage treatment	160 mg/l
Freshwater sediment	0.681 mg/kg dry weight
Soil	0.45 mg/kg dry weight

2. Exposure controls

A. Engineering controls

Ensure adequate ventilation, especially in confined areas.

B. Eye/face protection

Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166.

C. Hand protection

Wear suitable gloves. Glove thickness > 0.7 mm. Butyl rubber. Nitrile rubber. The breakthrough time for the mentioned glove material is in general greater than 480 min. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374.

D. Skin and body protection

Wear appropriate personal protective clothing to prevent skin contact.

E. Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Wear a respirator conforming to EN 140 with Type A filter or better.
Recommended filter type: organic gases and vapours filter conforming to EN 14387. AX.

F. Environmental exposure controls

Do not allow uncontrolled discharge of product into the environment.

09 Physical and chemical properties

1. Information on basic physical and chemical properties

Physical state	Aerosol
Appearance	Aerosol
Colour	Beige
Odour	Slight, characteristic
Odour threshold	No information available

Property	*Values*
pH	No data available
pH (as aqueous solution)	No data available
Melting point/freezing point	Not applicable
Initial boiling point and boiling range	Not applicable, Aerosol
Flash point	Not applicable, Aerosol
Evaporation rate	Not applicable
Flammability	Not applicable for liquids
Flammability Limit in Air	
Upper flammability or explosive limits	18.6 Vol%
Lower flammability or explosive limits	1.7 Vol%
Vapour pressure	6 bar @ 23°C
Relative vapour density	No data available
Relative density	No data available
Water solubility	Immiscible in water
Solubility(ies)	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

2. Other information

A. Solid content (%)

No information available

B. VOC Content (%)

186.5 g/L(European directive n°2010/75/UE)

C. Density

1.02 g/cm³

D. Minimum Ignition Temperature

235°C

10 Stability and reactivity

1. Reactivity

No information available.

2. Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact: none.
Sensitivity to static discharge: yes.

3. Possibility of hazardous reactions

Heating causes rise in pressure with risk of bursting.

4. Conditions to avoid

Heat, flames and sparks. Excessive heat.

5. Incompatible materials

Strong acids. Strong bases. Strong oxidising agents. Water. Alcohols. Amines.

6. Hazardous decomposition products

None under normal use conditions. Stable under recommended storage conditions.

11 Toxicological information

1. Information on likely routes of exposure

Product information

A. Inhalation

Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Specific test data for the substance or mixture is not available. May cause sensitisation in susceptible persons (based on components). May cause irritation of respiratory tract. Harmful by inhalation.

B. Eye contact

Specific test data for the substance or mixture is not available. Causes serious eye irritation (based on components). May cause redness, itching, and pain.

C. Skin contact

Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). May cause sensitisation by skin contact. Causes skin irritation.

D. Ingestion

Specific test data for the substance or mixture is not available. May cause additional affects as listed under 'Inhalation'. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. May be harmful if swallowed.

E. Symptoms related to the physical, chemical and toxicological characteristics

Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing. Coughing and/ or wheezing. Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes.

F. Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document:
ATEmix (oral): 3,421.90 mg/kg
ATEmix (inhalation-dust/mist): 3.321 mg/l
ATEmix (inhalation-vapour): 19.70 mg/l

Component information:

Chemical name	*Oral LD50*	*Dermal LD50*	*Inhalation LC50*
Isocyanic acid, polymethylenepoly-phenylene ester 9016-87-9	LD50 > 10000 mg/kg (Rattus)	LD 50 > 9400 mg/kg (Oryctolagus cuniculus)	= 1.5 mg/L (Rattus) 4 h
Phosphorous oxychloride, reaction products with propylene oxide 1244733-77-4	LD50 > 500 mg/kg (males); LD50 = 632 mg/kg (females) (Rattus)	LD50 > 2000 mg/kg (Rattus) (OECD 402)	LD50 > 7 mg/L (Rattus) (4h) (OECD 403)
Dimethyl ether 115-10-6	-	-	= 164000 ppm (Rattus) 4 h
Halogenated polyetherpolyol 68441-62-3	LD50 = 1337 mg/kg (Rattus) (OECD 401)	-	-

G. Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation: classification based on data available for ingredients. Irritating to skin.

- Serious eye damage/eye irritation: classification based on data available for ingredients. Causes serious eye irritation.
- Respiratory or skin sensitisation: may cause sensitisation by inhalation. May cause sensitisation by skin contact.
- Germ cell mutagenicity: based on available data, the classification criteria are not met.
- Carcinogenicity: contains a known or suspected carcinogen. Classification based on data available for ingredients. Suspected of causing cancer.
- Reproductive toxicity: based on available data, the classification criteria are not met.
- STOT - single exposure: may cause respiratory irritation.
- STOT - repeated exposure: may cause damage to organs through prolonged or repeated exposure.
- Aspiration hazard: based on available data, the classification criteria are not met.

2 Information on other hazards

A. Endocrine disrupting properties

No information available.

B. Other adverse effects

No information available.

12 Ecological information

1. Toxicity

Ecotoxicity: not considered to be harmful to aquatic life.

Chemical name	*Algae/aquatic plants*	*Fish*	*Toxicity to microorganisms*	*Crustacea*	*M-Factor*	*M-Factor (long-term)*
Isocyanic acid, polymethylenepoly-phenylene ester 9016-87-9	ErC50 (72h) > 1640 mg/L Algae (scenedesmus subspicatus) (OECD 201)	CL50 (96h) > 1000 mg/L (Danio rerio)	-	EC50 (24H) > 1000 mg/L Daphnia magna		
Phosphorous oxychloride, reaction products with propylene oxide 1244733-77-4	ErC50 (72h) = 82 mg/L (Pseudokirchneriella subcapitata) OECD 201	LC50 (96h) = 56.2 mg/L (Brachydanio rerio) Static	-	LC50 (48h) = 131 mg/L Daphnia magna		
Dimethyl ether 115-10-6	-	LC50: > 4.1 g/L (96h, Poecilia reticulata)	-	> 4400 mg/L (Daphnia) (NEN 6501)		
Halogenated polyetherpolyol 68441-62-3	-	LC50: = 560mg/L (96h, Poecilia reticulata)	-	-		

2. Persistence and degradability

No information available.

Component Information:

Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)			
Method	*Exposure time*	*Value*	*Results*
OECD Test No. 302C: Inherent Biodegradability: Modified MITI Test (II)	28 days	0% biodegradation	Not readily biodegradable

Halogenated polyetherpolyol (68441-62-3)			
Method	*Exposure time*	*Value*	*Results*
OECD Test No. 301D: Ready Biodegradability: Closed Bottle Test (TG 301 D)	28 days	16%	Not readily biodegradable

3. Bioaccumulative potential

Bioaccumulation: there is no data for this product.

Component Information:

Chemical name	*Partition coefficient*	*Bioconcentration factor (BCF)*
Isocyanic acid, polymethylenepolyphenylene ester 9016-87-9	-	< 14
Phosphorous oxychloride, reaction products with propylene oxide 1244733-77-4	2.68	-
Dimethyl ether 115-10-6	-0.18	-
Halogenated polyetherpolyol 68441-62-3	3.3	-

4. Mobility in soil

No information available.

5. Results of PBT and vPvB assessment

PBT and vPvB assessment:

Chemical name	*PBT and vPvB assessment*
Phosphorous oxychloride, reaction products with propylene oxide 1244733-77-4	The substance is not PBT / vPvB.
Dimethyl ether 115-10-6	The substance is not PBT / vPvB.
Halogenated polyetherpolyol 68441-62-3	The substance is not PBT / vPvB.

6. Other adverse effects

No information available.

13 Disposal considerations

1. Waste treatment methods

A. Waste from residues/unused products

Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

B. Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

C. European Waste Catalogue

08 05 01* waste isocyanates.
16 05 04* gases in pressure containers (including halons) containing dangerous substances.
17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03.

D. Other information

Waste codes should be assigned by the user based on the application for which the product was used.

14 Transport information

1. Land transport (ADR/RID)

A. UN number or ID number

UN1950

B. Proper Shipping Name

Aerosols

C. Transport hazard class(es)

2
Labels: 2.1

D. Packing group

Not regulated
Description: UN1950, Aerosols, 2, (D)

E. Environmental hazards

Not applicable

F. Special Provisions

190, 327, 344, 625
Classification code: 5F
Tunnel restriction code: (D)
Limited Quantity (LQ): 1 L

2. IMDG

A. UN number or ID number

UN1950

B. Proper Shipping Name

Aerosols

C. Transport hazard class(es)

2.1

D. Packing group

Not regulated
Description: UN1950, Aerosols, 2.1

E. Marine pollutant

NP

F. Special Provisions

63, 190, 277, 327, 344, 381, 959
Limited Quantity (LQ): see SP277
EmS-No: F-D, S-U

G. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

3. Air transport (ICAO-TI/IATA-DGR)

A. UN number or ID number

UN1950

B. Proper Shipping Name

Aerosols, flammable

C. Transport hazard class(es)

2.1

D. Packing group

Not regulated
Description: UN1950, Aerosols, flammable, 2.1

E. Environmental hazards

Not applicable

F. Special Provisions

A145, A167, A802
Limited Quantity (LQ): 30 kg G
ERG Code: 10L

15 Regulatory information

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

European Union

– Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.
– Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.
– Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work.

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

– SVHC: Substances of Very High Concern for Authorisation: this product does not contain candidate substances of very high concern at a concentration > = 0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59).
– EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction: this product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).
– Substance subject to authorisation per REACH Annex XIV: this product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex X IV).
– Dangerous substance category per Seveso Directive (2012/18/EU):
P3a - FLAMMABLE AEROSOLS
P3b - FLAMMABLE AEROSOLS
– Ozone-depleting substances (ODS) regulation (EC) 1005/2009: not applicable.
– Persistent Organic Pollutants: not applicable.

National regulations

France:

Chemical name	*French RG number*
Isocyanic acid, polymethylenepolyphenylene ester 9016-87-9	RG 62
Dimethyl ether 115-10-6	RG 84

Germany: ordinance on Industrial Safety and Health, Germany - BetrSichV: flammable liquid (R10), EEC: refer to Annex III No. 1 (fire and explosion hazards) and § 7 paragraph 3.
Water hazard class (WGK): slightly hazardous to water (WGK 1).
TRGS - 510 Storage Class: Storage Class 2B : Aerosols.

Netherlands: list of carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands).
Denmark: registration number(s) (P-no.):
no information available.
MAL-Code: 1-3
Norway: registration number(s) (PRN-no.):
no information available.

2. Chemical safety assessment

Chemical safety assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No chemical safety assessment has been carried out for this mixture.

16 Other information

Key or legend to abbreviations and acronyms used in the safety data sheet. Full text of H-Statements referred to under section 3:

H220: Extremely flammable gas
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

Legend

TWA: Time Weighted Average
STEL: Short Term Exposure Limit
Ceiling: Maximum limit value
*: Skin designation
SVHC: Substances of Very High Concern for Authorisation
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals
STOT RE: Specific target organ toxicity - Repeated exposure
STOT SE: Specific target organ toxicity - Single exposure
EWC: European Waste Catalogue

Key literature references and sources for data

No information available.

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