



ATF FLUSH BARDAHL

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Reference number: 1759B

Issue date: 05-10-16 Revision date: 22-09-20 Supersedes version of: 14-05-18 Version: 2.1

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

1.1. Product identifier

Product form : Mixture
Product name : ATF FLUSH BARD AHL
Product code : 1759B # 739175BR2
Type of product : Detergent

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer use
Function or use category : Cleaning/washing agents and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Distributor

SADAPS BARD AHL Additives & Lubricants
ZI TOURNAI OUEST 2 - RUE DU MONT DES CARLIERS, 3
7522 TOURNAI - BELGIQUE
T +32 (0).69.59.03.60 - F +32 (0).69.59.03.61
msds@bardahlfrance.com - www.bardahl.fr

Supplier

SADAPS BARD AHL Additives & Lubricants
ZI TOURNAI OUEST 2 - RUE DU MONT DES CARLIERS, 3
7522 TOURNAI - BELGIQUE
T +32 (0).69.59.03.60 - F +32 (0).69.59.03.61
msds@bardahlfrance.com - www.bardahl.fr

1.4. Emergency telephone number

Emergency number : + 32 (0)70.245.245 / +33 (0)1.45.42.59.59

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
Saudi Arabia	Poison Control Center-Riyadh	General Directorate of Health Affairs Medial Province	+966 112324180 +966 112324189	
United Arab Emirates	Health Authority – Abu Dhabi (HAAD) Poison & Drug Information Center (PDIC)	P.O. Box 5674 Abu Dhabi	+ 800-424	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aspiration hazard, Category 1

H304

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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) :



GHS08

Signal word (CLP) :

Danger

Contains :

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics

Hazard statements (CLP) :

H304 - May be fatal if swallowed and enters airways.

Precautionary statements (CLP) :

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

P102 - Keep out of reach of children.

P262 - Do not get in eyes, on skin, or on clothing.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor.

P331 - Do NOT induce vomiting.

P405 - Store locked up.

P501 - Dispose of contents/container to a hazardous or special waste collection point.

EUH-statements :

EUH066 - Repeated exposure may cause skin dryness or cracking.

Child-resistant fastening :

Applicable

Tactile warning :

Applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	(EC-No.) 918-481-9 (REACH-no) 01-2119457273-39	80-95	Asp. Tox. 1, H304
Kerosine (petroleum) substance with national workplace exposure limit(s) (IE)	(CAS-No.) 8008-20-6 (EC-No.) 232-366-4 (EC Index-No.) 649-404-00-4	1-10	Flam. Liq. 3, H226 Asp. Tox. 1, H304
(2-methoxymethylethoxy)propanol substance with a Community workplace exposure limit substance with national workplace exposure limit(s) (AT, BE, CH, DE, DK, ES, FI, FR, GB, HU, IE, IT, LV, NL, PL, RO, SE)	(CAS-No.) 34590-94-8 (EC-No.) 252-104-2 (REACH-no) 01-2119450011-60	1-10	Not classified

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general :

Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand.

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First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: Remove contaminated clothes. Wash skin with plenty of water. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	: Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects after inhalation	: May be fatal if swallowed and enters airways.
Symptoms/effects after skin contact	: Repeated exposure may cause skin dryness or cracking.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Water spray. Dry powder. Foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.
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5.3. Advice for firefighters

Firefighting instructions	: Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Prevent liquid from entering sewers, watercourses, underground or low areas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Evacuate area. Eliminate every possible source of ignition. Ensure adequate ventilation, especially in confined areas. Keep public away from danger area. Equip cleanup crew with proper protection.
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6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Dike for recovery or absorb with appropriate material. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment	: Recover the product with absorbent material.
Methods for cleaning up	: Clean up any spills as soon as possible, using an absorbent material to collect it.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13: "Disposal considerations".

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not eat, drink or smoke when using this product.
Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Provide local exhaust or general room ventilation.
Storage conditions : Store in a closed container. Keep out of frost.
Heat and ignition sources : Keep away from naked flames/heat. Keep away from ignition sources.
Storage area : Store in a dry place. Store in a well-ventilated place.
Special rules on packaging : Store in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Kerosine (petroleum) (8008-20-6)

Ireland - Occupational Exposure Limits

OEL (8 hours ref) (mg/m ³)	100 mg/m ³
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USA - ACGIH - Occupational Exposure Limits

ACGIH TWA (mg/m ³)	200 mg/m ³
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(2-methoxymethylethoxy)propanol (34590-94-8)

EU - Occupational Exposure Limits

Local name	(2-Methoxymethylethoxy)-propanol
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IOELV TWA (mg/m ³)	308
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IOELV TWA (ppm)	50 ppm
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Notes	Skin
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Austria - Occupational Exposure Limits

MAK Daily average value (mg/m ³)	307 mg/m ³
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MAK Daily average value (ppm)	50 ppm
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MAK Short time value [mg/m ³]	614 mg/m ³
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MAK Short time value [ppm]	100 ppm
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Belgium - Occupational Exposure Limits

Limit value [mg/m ³]	308 mg/m ³
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Limit value [ppm]	50 ppm
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Denmark - Occupational Exposure Limits

Grænsevædi (8 timer) (mg/m ³)	309 mg/m ³
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Grænsevædi (8 timer) (ppm)	50 ppm
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Grænsevædi (STEL) (mg/m ³)	618 mg/m ³
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Grænsevædi (STEL) (ppm)	100 ppm
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Finland - Occupational Exposure Limits

HTP-arvo (8h) (mg/m ³)	310 mg/m ³
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(2-methoxymethylethoxy)propanol (34590-94-8)	
HTP-arvo (8h) (ppm)	50 ppm
France - Occupational Exposure Limits	
Local name	(2-méthoxyméthyléthoxy)-propanol
VME [mg/m ³]	308 mg/m ³
VME [ppm]	50 ppm
Note (FR)	Valeurs réglementaires contraignantes; risque de pénétration percutanée
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³)	310 mg/m ³
Occupational exposure limit value (ppm)	50 ppm
Hungary - Occupational Exposure Limits	
AK-érték	308 mg/m ³
CK-érték	308 mg/m ³
Ireland - Occupational Exposure Limits	
OEL (8 hours ref) (mg/m ³)	308 mg/m ³
OEL (8 hours ref) (ppm)	50 ppm
Italy - Occupational Exposure Limits	
OEL TWA (mg/m ³)	308 mg/m ³
OEL TWA (ppm)	50 ppm
Latvia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	308 mg/m ³
OEL TWA (ppm)	50 ppm
Netherlands - Occupational Exposure Limits	
Grenswaarde TGG 8H (mg/m ³)	300 mg/m ³
Poland - Occupational Exposure Limits	
NDS (mg/m ³)	240 mg/m ³
NDSCh (mg/m ³)	280 mg/m ³
Romania - Occupational Exposure Limits	
OEL TWA (mg/m ³)	308 mg/m ³
OEL TWA (ppm)	50 ppm
Spain - Occupational Exposure Limits	
VLA-ED (mg/m ³)	308 mg/m ³
VLA-ED (ppm)	50 ppm
Sweden - Occupational Exposure Limits	
nivågränsvärde (NVG) (mg/m ³)	300 mg/m ³
nivågränsvärde (NVG) (ppm)	50 ppm
kortidsvärde (KTV) (mg/m ³)	450 mg/m ³
kortidsvärde (KTV) (ppm)	75 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	308 mg/m ³
WEL TWA (ppm)	50 ppm

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(2-methoxymethylethoxy)propanol (34590-94-8)

Switzerland - Occupational Exposure Limits

MAK (mg/m ³)	300 mg/m ³
MAK (ppm)	50 ppm
KZGW (mg/m ³)	300 mg/m ³
KZGW (ppm)	50 ppm

Turkey - Occupational Exposure Limits

OEL TWA (mg/m ³)	308 mg/m ³
OEL TWA (ppm)	50 ppm

USA - ACGIH - Occupational Exposure Limits

ACGIH TWA (mg/m ³)	600 mg/m ³
ACGIH TWA (ppm)	100 ppm
ACGIH STEL (mg/m ³)	900 mg/m ³
ACGIH STEL (ppm)	150 ppm

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics

France - Occupational Exposure Limits

VME [mg/m ³]	1200 mg/m ³
VME [ppm]	184 ppm

Norway - Occupational Exposure Limits

Grenseverdier (AN) (mg/m ³)	275 mg/m ³
Grenseverdier (AN) (ppm)	50 ppm

8.2. Exposure controls

Hand protection:

Gloves. EN 374

Eye protection:

Safety glasses. EN 166

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Good ventilation of the workplace required

Personal protective equipment symbol(s):



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Yellow.
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 64 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0,791 – 0,806 g/cm ³ (20°C)
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: < 20,5 mm ² /s (40°C)
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Heat. Open flame. Sparks. Water, humidity. Freezing.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

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Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Kerosine (petroleum) (8008-20-6)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 2,28 mg/l/4h

Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts (68457-79-4)	
LD50 oral rat	3600 mg/kg
LD50 dermal rabbit	20000 mg/kg

(2-methoxymethylethoxy)propanol (34590-94-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	9510 mg/kg
LC50 Inhalation - Rat	3,35 mg/l

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat	4951 mg/m ³ 4 hours

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

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Viscosity, kinematic	< 20,5 mm ² /s (40°C)

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Kerosine (petroleum) (8008-20-6)	
LC50 fish 1	18 – 25 mg/l (Pisces)

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LC50 fish 2	≥ 45 mg/l (Pimephales promelas)
LC50 other aquatic organisms 1	1 – 100 mg/l
EC50 Daphnia 1	1,4 – 21 mg/l (Daphnia magna)
TLM fish 1	2990 ppm (24h - Lepomis macrochirus)

Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts (68457-79-4)

LC50 fish 1	4,5 mg/l (Cyprinodon variegatus - OECD 203)
EC50 Daphnia 1	23 mg/l (Daphnia magna - OECD 202)
EC50 72h algae (1)	21 mg/l

(2-methoxymethylethoxy)propanol (34590-94-8)

LC50 fish 1	> 10000 mg/l
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Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics

LC50 fish 1	> 1000 mg/l
EC50 Daphnia 1	> 1000 mg/l
EC50 72h algae (1)	> 1000 mg/l

12.2. Persistence and degradability

Kerosine (petroleum) (8008-20-6)

Persistence and degradability	Product is biodegradable.
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Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics

Biodegradation	80 % 28 days
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12.3. Bioaccumulative potential

Kerosine (petroleum) (8008-20-6)

Partition coefficient n-octanol/water (Log Pow)	3,3 – 6
Bioaccumulative potential	bioaccumulative.

Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts (68457-79-4)

Partition coefficient n-octanol/water (Log Pow)	0,69
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12.4. Mobility in soil

Kerosine (petroleum) (8008-20-6)

Surface tension	0,02 – 0,03 N/m
Ecology - soil	Product adsorbs onto the soil.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Sewage disposal recommendations	: Do not discharge into drains or the environment.
Product/Packaging disposal recommendations	: Collect all waste in suitable and labelled containers and dispose according to local legislation.
Additional information	: Empty the packaging completely prior to disposal. Do not re-use empty containers.
Ecology - waste materials	: Do not discharge the product into the environment.

SECTION 14: Transport information

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

ADR	IMDG	IATA	RID
14.1. UN number			
Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name			
Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available			

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the 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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Detergent Regulation (648/2004/EC): Labelling of contents:

Component	%
aliphatic hydrocarbons	≥30%
aromatic hydrocarbons	<5%

15.1.2. National regulations

France

Occupational diseases : RG 36 - Affections provoquées par les huiles et graisses d'origine minérale ou de synthèse
RG 84 - Affections engendrées par les solvants organiques liquides à usage professionnel

Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen : Kerosine (petroleum) is listed

SZW-lijst van mutagene stoffen : Kerosine (petroleum) is listed

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

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

Denmark

Class for fire hazard : Class III-1

Store unit : 50 liter

Classification remarks : Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
EUH066	Repeated exposure may cause skin dryness or cracking.

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.