DASHBOARD CLEANER

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Reference number: 38911B
Issue date: 16-11-18 Revision date: 28-04-26 Supersedes version of: 26-10-23 Version: 3.0

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

1.1. Product identifier

Product name : DASHBOARD CLEANER
UFI : A3U3-NASY-AWD3-V8A8
Product code : 38911B # 7313891BR3
Type of product : Detergent,Aerosol
Vaporizer : Aerosol

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

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Distributor
SADAPS BARDAHL 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.be

Supplier
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msds@bardahlfrance.com, www.bardahl.be

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 Msida MSD 2090 Msida	112 +356 2545 6508	
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	+ 800-424	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+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]

Aerosol, Category 1	H222;H229
Skin corrosion/irritation, Category 2	H315
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336
Aspiration hazard, Category 1	H304
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

Full text of H- and EUH-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 GHS09

Signal word (CLP) : Danger

Contains : Hydrocarbons, C6, isoalkanes, <5% n-hexane

Hazard statements (CLP) : H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H315 - Causes skin irritation.
H336 - May cause drowsiness or dizziness.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P280 - Wear protective gloves.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P391 - Collect spillage.
P501 - Dispose of contents/container to a hazardous or special waste collection point.
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.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C, 122 °F.

Extra phrases : Use as per instructions and specifically for this purpose.

Child-resistant fastening : Not applicable

Tactile warning : Not applicable

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
n-hexane (110-54-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Component	
n-hexane (110-54-3)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

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]
butane (<0.1% (203-450-8)) (Note C)(Note U)	CAS-No.: 106-97-8 EC-No.: 203-448-7 EC Index-No.: 601-004-00-0 REACH-no: 01-2119474691-32	50 ≤ x % < 100	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
Hydrocarbons, C6, isoalkanes, <5% n-hexane substance with national workplace exposure limit(s) (FR)	EC-No.: 931-254-9 REACH-no: 01-2119484651-34	10 ≤ x % < 25	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Distillates (petroleum), hydrotreated light paraffinic substance with national workplace exposure limit(s) (FR) (Note L)	CAS-No.: 64742-55-8 EC-No.: 265-158-7 EC Index-No.: 649-468-00-3 REACH-no: 01-2119487077-29	2,5 ≤ x % < 10	Asp. Tox. 1, H304
Hydrocarbons, C9-11, n-alkanes, isoalkanes, cyclics, <2% aromatics substance with national workplace exposure limit(s) (FR)	CAS-No.: 64742-48-9 EC-No.: 919-857-5 REACH-no: 01-2119463258-33	2,5 ≤ x % < 10	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 EUH066
ethanol; ethyl alcohol substance with national workplace exposure limit(s) (AT, BE, DE, DK, ES, FI, FR, GB, HU, IE, LV, NL, PL, RO, SE)	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	1 ≤ x % < 2,5	Flam. Liq. 2, H225 Eye Irrit. 2, H319
n-hexane substance listed on REACH Candidate List substance with national workplace exposure limit(s) (AT, BE, DE, DK, ES, FI, FR, GB, HU, IE, IT, LV, NL, PL, RO, SE); substance with a Community workplace exposure limit	CAS-No.: 110-54-3 EC-No.: 203-777-6 EC Index-No.: 601-037-00-0	0 ≤ x % < 1	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361f STOT SE 3, H336 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Specific concentration limits:

Name	Product identifier	Specific concentration limits
ethanol; ethyl alcohol	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	(50 ≤ C < 100) Eye Irrit. 2; H319

Comments : Calculation for aerosol classification labelling excludes propellant.

Note C - Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
Note L - The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 (“Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method” Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.
Note U - When put on the market gases have to be classified as ‘Gases under pressure’, in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned:. Press. Gas (Comp.), Press. Gas (Liq.), Press. Gas (Ref. Liq.), Press. Gas (Diss.). Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).
Product subject to CLP Annex I, item 1.1.3.7. The disclosure rules of the components is modified in this case.
Full text of H- and EUH-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.
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

No additional information available

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

Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Hazardous decomposition products in case of fire : Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

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.

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".

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. Provide good ventilation in process area to prevent formation of vapour. For further information refer to section 8: "Exposure controls/personal protection". Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.
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 : Keep out of frost.
Heat and ignition sources : Keep away from naked flames/heat. Keep away from ignition sources. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Information on mixed storage : Keep away from food, drink and animal feeding stuffs.
Storage area : Store in a well-ventilated place. Store in a dry 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

8.1.1 National occupational exposure and biological limit values

butane (<0.1% (203-450-8)) (106-97-8)	
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	1600 mg/m³
	800 ppm
MAK (OEL STEL)	3800 mg/m³
	1600 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	1000 ppm

butane (<0.1% (203-450-8)) (106-97-8)	
Denmark - Occupational Exposure Limits	
8-timers grænseværdi (OEL TWA)	1200 mg/m³
	500 ppm
Korttidsgrænseværdi (OEL STEL)	2400 mg/m³
	1000 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	1900 mg/m³
	800 ppm
HTP (OEL STEL)	2400 mg/m³
	1000 ppm
France - Occupational Exposure Limits	
Local name	n-Butane
VLEP 8h (OEL TWA)	1900 mg/m³
	800 ppm
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 6443, 2022; Outil65)
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	2400 mg/m³
	1000 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	2350 mg/m³
CK (OEL STEL)	9400 mg/m³
Ireland - Occupational Exposure Limits	
OEL STEL	1000 ppm
Latvia - Occupational Exposure Limits	
OEL TWA	300 mg/m³
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	1900 mg/m³
NDSP (OEL C)	3000 mg/m³
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	1935 mg/m³
	800 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	1450 mg/m³
	600 ppm
WEL STEL (OEL STEL)	1810 mg/m³
	750 ppm
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	600 mg/m³

butane (<0.1% (203-450-8)) (106-97-8)	
	250 ppm
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	1900 mg/m³
	800 ppm

Hydrocarbons, C6, isoalkanes, <5% n-hexane	
France - Occupational Exposure Limits	
VLEP 8h (OEL TWA)	1000 mg/m³
VLEP CT (OEL STEL)	1500 mg/m³

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
France - Occupational Exposure Limits	
VLEP 8h (OEL TWA)	1200 mg/m³

Hydrocarbons, C9-11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9)	
France - Occupational Exposure Limits	
VLEP 8h (OEL TWA)	1200 mg/m³
	197 ppm
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	300 mg/m³
KZGW (OEL STEL)	600 mg/m³

ethanol; ethyl alcohol (64-17-5)	
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	1900 mg/m³
	1000 ppm
MAK (OEL STEL)	3800 mg/m³
	2000 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	1907 mg/m³
	1000 ppm
Denmark - Occupational Exposure Limits	
8-timers grænseværdi (OEL TWA)	1900 mg/m³
	1000 ppm
Korttidsgrænseværdi (OEL STEL)	3800 mg/m³
	2000 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	1900 mg/m³
	1000 ppm
HTP (OEL STEL)	2500 mg/m³
	1300 ppm

ethanol; ethyl alcohol (64-17-5)	
France - Occupational Exposure Limits	
VLEP 8h (OEL TWA)	1900 mg/m³
	1000 ppm
VLEP CT (OEL STEL)	9500 mg/m³
	5000 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	380 mg/m³
	200 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	1900 mg/m³
CK (OEL STEL)	7600 mg/m³
Ireland - Occupational Exposure Limits	
OEL STEL	1000 ppm
Latvia - Occupational Exposure Limits	
OEL TWA	1000 mg/m³
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	260 mg/m³
TGG-15min (OEL STEL)	1900 mg/m³
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	1900 mg/m³
Romania - Occupational Exposure Limits	
OEL TWA	1900 mg/m³
	1000 ppm
OEL STEL	9500 mg/m³
	5000 ppm
Spain - Occupational Exposure Limits	
VLA-EC (OEL STEL)	1910 mg/m³
	1000 ppm
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	1000 mg/m³
	500 ppm
KGV (OEL STEL)	1900 mg/m³
	1000 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	1920 mg/m³
	1000 ppm
WEL STEL (OEL STEL)*	5760 mg/m³
	3000 ppm

ethanol; ethyl alcohol (64-17-5)	
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	950 mg/m³
	500 ppm
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	960 mg/m³
	500 ppm
KZGW (OEL STEL)	1920 mg/m³
	1000 ppm

White mineral oil (petroleum) (8042-47-5)	
France - Occupational Exposure Limits	
VLEP 8h (OEL TWA)	5 mg/m³ Brouillard d'huile
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	5 mg/m³
Romania - Occupational Exposure Limits	
OEL TWA	5 mg/m³
OEL STEL	10 mg/m³
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	5 mg/m³

n-hexane (110-54-3)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	72 mg/m³
	20 ppm
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	72 mg/m³
	20 ppm
MAK (OEL STEL)	288 mg/m³
	80 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	72 mg/m³
	20 ppm
Denmark - Occupational Exposure Limits	
8-timers grænseværdi (OEL TWA)	72 mg/m³
	20 ppm
Korttidsgrænseværdi (OEL STEL)	144 mg/m³
	40 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	72 mg/m³
	20 ppm

n-hexane (110-54-3)	
France - Occupational Exposure Limits	
VLEP 8h (OEL TWA)	72 mg/m³
	20 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	180 mg/m³
	50 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	72 mg/m³
Ireland - Occupational Exposure Limits	
OEL TWA	72 mg/m³
	20 ppm
Italy - Occupational Exposure Limits	
OEL TWA	72 mg/m³
	20 ppm
Latvia - Occupational Exposure Limits	
OEL TWA	72 mg/m³
	20 ppm
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	72 mg/m³
TGG-15min (OEL STEL)	144 mg/m³
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	72 mg/m³
Romania - Occupational Exposure Limits	
OEL TWA	72 mg/m³
	20 ppm
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	72 mg/m³
	20 ppm
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	72 mg/m³
	20 ppm
KGV (OEL STEL)	180 mg/m³
	50 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	72 mg/m³
	20 ppm
WEL STEL (OEL STEL)*	216 mg/m³
	60 ppm

n-hexane (110-54-3)	
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	180 mg/m³
	50 ppm
KZGW (OEL STEL)	1440 mg/m³
	400 ppm

Isopentyl acetate (123-92-2)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	270 mg/m³
	50 ppm
IOEL STEL	540 mg/m³
	100 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	270 mg/m³
	50 ppm
OEL STEL	540 mg/m³
	100 ppm
Denmark - Occupational Exposure Limits	
8-timers grænseværdi (OEL TWA)	266 mg/m³
	50 ppm
Korttidsgrænseværdi (OEL STEL)	532 mg/m³
	100 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	270 mg/m³
	50 ppm
HTP (OEL STEL)	540 mg/m³
	100 ppm
France - Occupational Exposure Limits	
VLEP 8h (OEL TWA)	270 mg/m³
	50 ppm
VLEP CT (OEL STEL)	540 mg/m³
	100 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	270 mg/m³
	50 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	270 mg/m³
CK (OEL STEL)	540 mg/m³
Ireland - Occupational Exposure Limits	
OEL TWA	260 mg/m³

Isopentyl acetate (123-92-2)	
	50 ppm
OEL STEL	520 mg/m³
	100 ppm
Italy - Occupational Exposure Limits	
OEL TWA	270 mg/m³
	50 ppm
OEL STEL	540 mg/m³
	100 ppm
Latvia - Occupational Exposure Limits	
OEL TWA	270 mg/m³
	50 ppm
OEL STEL	540 mg/m³
	100 ppm
Netherlands - Occupational Exposure Limits	
TGG-15min (OEL STEL)	530 mg/m³
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	250 mg/m³
NDSP (OEL C)	500 mg/m³
Romania - Occupational Exposure Limits	
OEL TWA	50 mg/m³
	270 ppm
OEL STEL	100 mg/m³
	540 ppm
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	270 mg/m³
	50 ppm
VLA-EC (OEL STEL)	540
	100 ppm
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	500 mg/m³
	100 ppm
KGV (OEL STEL)	800 mg/m³
	150 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	270
	50
WEL STEL (OEL STEL)	541
	100 ppm

Isopentyl acetate (123-92-2)	
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	260 mg/m³
	50 ppm
KZGW (OEL STEL)	260 mg/m³
	50 ppm

DIETHYL PHTHALATE (84-66-2)	
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	3 mg/m³
MAK (OEL STEL)	5 mg/m³
Belgium - Occupational Exposure Limits	
Local name	Phtalate de diéthyle # Diethylftalaat
OEL TWA	5 mg/m³
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023
Denmark - Occupational Exposure Limits	
8-timers grænseværdi (OEL TWA)	3 mg/m³
Korttidsgrænseværdi (OEL STEL)	6 mg/m³
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	5 mg/m³
HTP (OEL STEL)	10 mg/m³
France - Occupational Exposure Limits	
Local name	Phtalate de diéthyle
VLEP 8h (OEL TWA)	5 mg/m³
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 6443, 2022; Outil65)
Ireland - Occupational Exposure Limits	
OEL TWA	5 mg/m³
OEL STEL	10 mg/m³
Latvia - Occupational Exposure Limits	
OEL TWA	0,5 mg/m³
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	3 mg/m³
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	5 mg/m³
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	3 mg/m³
KGV (OEL STEL)	5 mg/m³
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	5 mg/m³
WEL STEL (OEL STEL)	10 mg/m³

DIETHYL PHTHALATE (84-66-2)	
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	3 mg/m³
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	5 mg/m³

1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE (76-22-2)	
Belgium - Occupational Exposure Limits	
Local name	Camphre (synthétique) # Kamfer (synthetisch)
OEL TWA	12 mg/m³
	2 ppm
OEL STEL	19 mg/m³
	3 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023
France - Occupational Exposure Limits	
Local name	Camphre
VLEP 8h (OEL TWA)	12 mg/m³
	2 ppm
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 6443, 2022; Outil65)

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:
Safety glasses. ISO 16321-1

8.2.2.2. Skin protection

Skin and body protection:
Wear suitable protective clothing

Hand protection:
Gloves. ISO 374-1

8.2.2.3. Respiratory protection

Respiratory protection:
Good ventilation of the workplace required. Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Not available
Appearance	:	Aerosol.
Odour	:	Not available
Odour threshold	:	Not available
Melting point	:	Not available
Freezing point	:	Not available
Boiling point	:	Not available
Flammability	:	Not available
Explosive limits	:	Not available
Lower explosion limit	:	Not available
Upper explosion limit	:	Not available
Flash point	:	Not applicable
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
pH	:	Not available
Viscosity, kinematic	:	< 7 mm²/s (40°C)
Solubility	:	Not available
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	< 110 kPa
Vapour pressure at 50°C	:	Not available
Density	:	< 1
Relative density	:	Not available
Relative vapour density at 20°C	:	Not available
Particle characteristics	:	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

% of flammable ingredients	:	89,2 %

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions. Contains gas under pressure; may explode if heated.

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 hazard classes as defined in Regulation (EC) No 1272/2008

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

Hydrocarbons, C6, isoalkanes, <5% n-hexane	
LD50 oral rat	≥ 5000 mg/kg
LD50 dermal rabbit	≥ 5000 mg/kg
LC50 Inhalation - Rat	> 50 mg/l/4h
LC50 Inhalation - Rat (Dust/Mist)	≥ 50 mg/l/4h

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	5,53 mg/l/4h

Hydrocarbons, C9-11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9)	
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat (Vapours)	> 4951 mg/l/4h

ethanol; ethyl alcohol (64-17-5)	
LD50 oral rat	5500 mg/kg
LD50 dermal rat	2800 – 3100 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	95,6 mg/l/4h

White mineral oil (petroleum) (8042-47-5)	
LD50 oral rat	> 5000 ml/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	5,1 mg/l/4h

1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE (76-22-2)	
LD50 oral	1500 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 10 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation : Causes skin irritation.
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 : May cause drowsiness or dizziness.

Hydrocarbons, C6, isoalkanes, <5% n-hexane	
STOT-single exposure	May cause drowsiness or dizziness.

Hydrocarbons, C9-11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9)	
STOT-single exposure	May cause drowsiness or dizziness.

n-hexane (110-54-3)	
STOT-single exposure	May cause drowsiness or dizziness.

1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE (76-22-2)	
STOT-single exposure	May cause damage to organs.

STOT-repeated exposure : Not classified

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight/day Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

n-hexane (110-54-3)	
STOT-repeated exposure	Causes damage to organs (nervous system) through prolonged or repeated exposure.

DIETHYL PHTHALATE (84-66-2)	
NOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat

1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE (76-22-2)	
NOAEL (oral, rat, 90 days)	3,2 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: other:

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

DASHBOARD CLEANER	
Vaporizer	Aerosol
Viscosity, kinematic	< 7 mm²/s (40°C)

11.2. Information on other hazards

No additional information available

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) : Toxic to aquatic life with long lasting effects.

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
LC50 - Fish [1]	> 100 mg/l 96h

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
EC50 - Crustacea [1]	> 10000 mg/l
ErC50 algae	> 100 mg/l 48h
NOEC chronic fish	> 100 mg/l
NOEC chronic crustacea	> 10 mg/l
NOEC chronic algae	> 100 mg/l

Hydrocarbons, C9-11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9)	
EC50 - Crustacea [1]	> 1000 mg/l

ethanol; ethyl alcohol (64-17-5)	
LC50 - Fish [1]	14200 mg/l
EC50 - Crustacea [1]	9268 – 14221 mg/l
EC50 72h - Algae [1]	275 mg/l
NOEC chronic crustacea	9,6 mg/l

White mineral oil (petroleum) (8042-47-5)	
LC50 - Fish [1]	> 100 mg/l (OECD 203)
EC50 - Crustacea [1]	> 100 mg/l (Daphnia magna - OECD 202)
NOEC chronic fish	> 1000 mg/l
NOEC chronic crustacea	10 mg/l (OECD 211)

DIETHYL PHTHALATE (84-66-2)	
LC50 - Fish [1]	12 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
LC50 - Fish [2]	29 mg/l Test organisms (species): Cyprinodon variegatus
EC50 72h - Algae [1]	23 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	45 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h - Algae [1]	85,6 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
NOEC (chronic)	25 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	5 mg/l Test organisms (species): Cyprinus carpio Duration: '28 d'

1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE (76-22-2)	
LC50 - Fish [1]	33,25 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	4,23 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	0,3 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	1,71 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

12.2. Persistence and degradability

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
Persistence and degradability	Not established.

ethanol; ethyl alcohol (64-17-5)	
Biodegradation	84 % Miscellaneous, 84 %, 20 d, Readily biodegradable

White mineral oil (petroleum) (8042-47-5)	
Persistence and degradability	Not readily biodegradable.

12.3. Bioaccumulative potential

butane (<0.1% (203-450-8)) (106-97-8)	
Bioaccumulative potential	not bioaccumulable.

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
Partition coefficient n-octanol/water (Log Pow)	> 6
Bioaccumulative potential	Not established.

Hydrocarbons, C9-11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9)	
Partition coefficient n-octanol/water (Log Pow)	6,7

ethanol; ethyl alcohol (64-17-5)	
Partition coefficient n-octanol/water (Log Kow)	-0,31

White mineral oil (petroleum) (8042-47-5)	
Partition coefficient n-octanol/water (Log Kow)	> 6

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

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. Dispose used or damaged aerosol cans at permitted disposal sites.

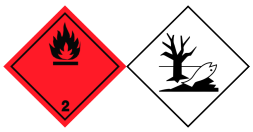
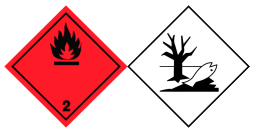
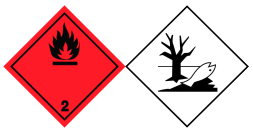
Additional information : Empty the packaging completely prior to disposal. Do not re-use empty containers.

Ecological waste information : Do not discharge the product into the environment.

European List of Waste (LoW, EC 2000/532) : 16 05 04* - gases in pressure containers (including halons) containing dangerous substances

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

ADR	IMDG	IATA	RID
14.1. UN number or ID number			
UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping name			
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS
Transport document description			
UN 1950 AEROSOLS (Hydrocarbons, C6, isoalkanes, <5% n-hexane), 2.1, (D), ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS (n-hexane), 2.1, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1950 Aerosols, flammable, 2.1, ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)			
2.1	2.1	2.1	2.1
			
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available			

14.6. Special precautions for user

Overland transport

Classification code (ADR)	:	5F
Special provisions (ADR)	:	190, 327, 344, 625
Limited quantities (ADR)	:	1l
Excepted quantities (ADR)	:	E0
Packing instructions (ADR)	:	P207, LP200
Special packing provisions (ADR)	:	PP87, RR6, L2
Mixed packing provisions (ADR)	:	MP9
Transport category (ADR)	:	2
Special provisions for carriage - Packages (ADR)	:	V14
Special provisions for carriage - Loading, unloading and handling (ADR)	:	CV9, CV12
Special provisions for carriage - Operation (ADR)	:	S2
Tunnel restriction code (ADR)	:	D

Transport by sea

Special provisions (IMDG)	:	63, 190, 277, 327, 344, 381, 959
Limited quantities (IMDG)	:	SP277
Excepted quantities (IMDG)	:	E0
Packing instructions (IMDG)	:	P207, LP200
Special packing provisions (IMDG)	:	PP87, L2
EmS-No. (Fire)	:	F-D
EmS-No. (Spillage)	:	S-U
Stowage category (IMDG)	:	None
Stowage and handling (IMDG)	:	SW1, SW22

Segregation (IMDG) : SG69

Air transport

PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Y203
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 203
PCA max net quantity (IATA) : 75kg
CAO packing instructions (IATA) : 203
CAO max net quantity (IATA) : 150kg
Special provisions (IATA) : A145, A167, A802
ERG code (IATA) : 10L

Rail transport

Classification code (RID) : 5F
Special provisions (RID) : 190, 327, 344, 625
Limited quantities (RID) : 1L
Excepted quantities (RID) : E0
Packing instructions (RID) : P207, LP200
Special packing provisions (RID) : PP87, RR6, L2
Mixed packing provisions (RID) : MP9
Transport category (RID) : 2
Special provisions for carriage – Packages (RID) : W14
Special provisions for carriage - Loading, unloading and handling (RID) : CW9, CW12
Colis express (express parcels) (RID) : CE2
Hazard identification number (RID) : 23

14.7. Maritime transport in bulk according to IMO instruments

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

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains substance(s) listed on the REACH Candidate List in concentrations ≥ 0.1 % or SCL: n-hexane (EC 203-777-6, CAS 110-54-3)

PIC Regulation (Prior Informed Consent)

Contains substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals): Naphtha (petroleum), hydrotreated heavy (64742-48-9)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Detergent Regulation (EC 648/2004)

Labelling of contents	
Component	**%**
aliphatic hydrocarbons	≥30%

Seveso Directive (Disaster Risk Reduction)

Seveso III Part I (Categories of dangerous substances)	Qualifying quantity (tonnes)	
	Lower-tier	Upper-tier
P3a FLAMMABLE AEROSOLS 'Flammable' aerosols Category 1 or 2, containing flammable gases Category 1 or 2 or flammable liquids Category 1	150	500
E2 Hazardous to the Aquatic Environment in Category Chronic 2	200	500

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Austria

Ordinance on Flammable Liquids (VbF) : Auto detect

France

Occupational diseases	
Code	Description
RG 59	Occupational poisoning by hexane
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

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).

Override matching entry (12. BImSchV) : Is not subject to the Major Accidents Ordinance (12. BImSchV)

Netherlands

SZW List of Carcinogenic Substances : Distillates (petroleum), hydrotreated light paraffinic,ethanol; ethyl alcohol,White mineral oil (petroleum) are listed

SZW List of Mutagenic Substances : Distillates (petroleum), hydrotreated light paraffinic,White mineral oil (petroleum) are listed

SZW List of Reprotoxic Substances – Breastfeeding : ethanol; ethyl alcohol is listed

SZW List of Reprotoxic Substances – Fertility : ethanol; ethyl alcohol,n-hexane are listed

SZW List of Reprotoxic Substances – Development : ethanol; ethyl alcohol is listed

Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with it.
If an employee is pregnant or breastfeeding and the person in question uses or is exposed to this product at work, the employer must always carry out a risk assessment of the work. The assessment must both deal with the dangerousness of the impact and its strength and duration. The employer's decision that a pregnant or lactating woman can perform a specific work task must therefore be made in the context of her specific working conditions. See also WEA-Guideline A.1.8-7 on the working environment of pregnant and breastfeeding workers.

Switzerland

Storage class (LK) : LK 2 - Liquefied or pressurized gases

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:	
Aerosol 1	Aerosol, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Press. Gas (Liq.)	Gases under pressure : Liquefied gas
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H372	Causes damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Safety Data Sheet (SDS), EU

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.