

SECTION 1. MIXTURE IDENTIFICATION AND MANUFACTURER/SUPPLIER IDENTIFICATION

1.1. Product identification:
UNDERBODY WAX PROFESSIONAL
UFI: TGPO-G0H3-N002-6JEN

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

1.3 Data of the safety data sheet supplier

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SEKCJA 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to The EC Regulation 1272/2008 of 16 December 2008 on classification, labelling and packaging (CLP).



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long-lasting effects.

2.2. Label elements

Classification according to the regulation (EC) no 1272/2008:
The product has been classified and labelled according to CLP regulation.

Hazard pictograms:



GHS02 GHS07

Signal word: **Danger**.

Components indicating hazard for labelling:

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics.

Hydrocarbons, C9, aromatic hydrocarbons.

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, (<0.1% benzene).

Hazard statements:

H225 Highly flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long-lasting effects.

Precautionary statements:

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

P102 Keep out of reach of children.

P210 Keep away from sources of heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/eye protection.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P403 Store in a well-ventilated place.

P501 Dispose of contents/container in accordance with local / regional / national / international regulations.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

Cleaning agents.

Hazardous components	Classification	H phrases	% weight
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	CAS: 64742-48-9 EC number: 919-857-5 Reg. no: 01-2119463258-33	Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336, EUH066	25-<50
Hydrocarbons, C9, aromatic hydrocarbons	CAS: 128601-23-0 EC number: 918-668-5 Reg. no: 01-2119455851-35	Flam. Liq. 3, H226; Asp. Tox. 1; H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336, EUH066	2.5-<10
hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	CAS: 68920-06-9 EC number: 920-750-0 Reg. no: 01-2119473851-33	Flam. Liq. 2, H225; Asp. Tox. 1; H304; Aquatic Chronic 2, H411; STOT SE 3, H336, EUH066	2.5-<10
Sulfonic acids, petroleum, sodium salts	CAS: 68608-26-4 EINECS: 271-781-5 Reg. no: 01-2119527859-22	Eye Irrit. 2, H319	2.5-<10
2-butoxyethanol	CAS: 111-76-2 EINECS: 203-905-0 Reg. no: 01-2119475108-36	Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE: LD50 oral 1200 mg/kg	0.1-<1
Ethanol	CAS: 64-17-5 EINECS: 200-578-6 Reg. no: 01-2119457610-43	Flam. Liq. 2, H225 Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 %	0.1-<1

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

After inhalation: Supply fresh air, in case of disturbances, consult a doctor.

After contact with skin: In general the product does not irritate skin.

After contact with eyes: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Do not induce vomiting and call a doctor.

4.2. Most important symptoms both acute and delayed

No further relevant data available.

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

No further relevant data available.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Useful extinguishing media: water mist, carbon dioxide, extinguishing powders, foam resistant to alcohol.

Unsuitable extinguishing media: full jet of water.

5.2. Special hazards arising from the substance or mixture

No further relevant data available.

5.3. Advice for fire fighters

Special protective measures: not necessary.

Wear respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency measures

Wear protective clothing. Move unprotected persons to a safe place.

6.2. Environmental precautions

Prevent from reaching sewage system or water courses. Prevent entry into sewers, ditches and cellars.

In the event of leakage into water course or sewage system inform competent authorities. Do not allow entering sewage system /surface water /ground water.

6.3. Methods and materials for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Do not wash with water or water based cleaning agents.

6.4. Reference to other sections

Information on safe handling see section 7.
Information on personal protective measures see section 8.
Information on disposal see section 13.

SEKCJA 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1. Precautions for safe handling

Ensure good ventilation / exhaustion at the workplace. Avoid spraying.

Information about fire and explosion protection:

Keep ignition sources away– do not smoke. Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Requirements to be met by storerooms and receptacles: Keep cool.

Further information about storage conditions: Keep container tightly sealed. Store in well-sealed barrels in a cool and dry place.

7.3 Special end uses

No further relevant data available.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES

Recommendations regarding technical measures:

Provide good ventilation in the workplace.

8.1. Control parameters

Components with limit values that require monitoring depending on the workplace:

111-76-2 2-butoxyethanol

MPIC: 200 mg/m³ MPC: 98 mg/m³ skin

64-17-5 Ethanol

MPC: 1900 mg/m³

DNEL values:

64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Oral	DNEL Long term-systemic	125 mg/kg bw/day (Consumer)
Skin	DNEL Long term-systemic	125 mg/kg bw/day (Consumer)
		208 mg/kg bw/day (Worker)
Inhalation	DNEL Long term-systemic	185 mg/m ³ (Consumer)
		871 mg/m ³ (Worker)

128601-23-0 Hydrocarbons, C9, aromatic hydrocarbons

Oral	DNEL Long term-systemic	11 mg/kg bw/day (Consumer)
Skin	DNEL Long term-systemic	11 mg/kg bw/day (Consumer)
		25 mg/kg bw/day (Worker)
Inhalation	DNEL Long term-systemic	32 mg/m ³ (Consumer)
		100 mg/m ³ (Worker)

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics (<0.1% benzene)

Oral	DNEL Long term-systemic	699 mg/kg bw/day (Consumer)
Skin	DNEL Long term-systemic	699 mg/kg bw/day (Consumer)
		773 mg/kg bw/day (Worker)
Inhalation	DNEL Long term-systemic	608 mg/m ³ (Consumer)
		2035 mg/m ³ (Worker)

68608-26-4 Sulfonic acids, petroleum, sodium salts

Oral	DNEL Long term-systemic	0.833 mg/kg bw/day (Consumer)
Skin	DNEL Long term-systemic	1.667 mg/kg bw/day (Consumer)
		3.33 mg/kg bw/day (Worker)
Inhalation	DNEL Long term-systemic	0.33 mg/m ³ (Consumer)
		0.66 mg/m ³ (Worker)

Additional information:

The lists valid during the making were used as basis.

8.2. Exposure control

Technical control measures:

No further data, see section 7.

Personal protective measures:

General measures of protection and hygiene:

Keep away from foodstuffs, beverages and feed. Immediately take off all soaked and contaminated clothing. Wash hands before each break and at the end of work. Do not breathe gases/ vapours / spray. Avoid contact with eyes. Avoid contact with eyes and skin. General ventilation.

Respiratory protection:

In case of insufficient ventilation use respiratory protection. Filter A2/P2.

Hands protection:

The glove material has to be impermeable and resistant to the product the substance/preparation. Due to the lack of testing, no recommendation can be made regarding glove material for protection against the product/preparation/chemical mixture. Use protective gloves to work with chemicals according to standard EN 374.



Protective gloves

Gloves resistant to solvents.

Selection of the glove material on consideration of the breakthrough times, rates of diffusion and degradation.

Penetration time of the glove material::

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a mixture consisting of several substances the resistance of the materials from which the gloves are made cannot be calculated in advance and should therefore be checked before use.

Nitrile rubber.

Recommended thickness of the material: ≥ 0.5 mm

Penetration time of the glove material::

For continuous contact, it is recommended to use gloves with a tensile strength of not less than 240 minutes, with a penetration time of more than 480 minutes as priority. We recommend the same for short-term works or protection against splash. We understand that gloves that offer this level of protection may not be in stock. In this case, a shorter breakthrough time is acceptable in the procedures governing maintenance and as long as the timely replacements are respected. Thickness of the gloves is not a good measure of their resistance to chemicals as it depends on the exact composition of the glove material.

Information about the penetration time of the substance should be obtained from the glove manufacturer and has to be observed.

Eye or face protection:

Protective glasses (EN-166).

Tightly sealed protective glasses.

Body protection:

Use protective clothing (EN-13034/6).

It is recommended to use antistatic, chemical and oil-resistant clothing as well as safety shoes. (EN1149; EN340&EN ISO 13688; 13034-6).

Environmental control

Use an appropriate container to prevent environmental contamination.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:

Colour:	Liquids according to product name
Odour:	Characteristic
Odour threshold:	Not specified.
Melting /freezing point:	Not specified.

Boiling point or initial boiling point and boiling range:	165-181°C (128601-23-0 Hydrocarbons, C9, aromatic hydrocarbons)
Flammability of materials:	Highly flammable product.

Bottom and top explosion limit:

Bottom:	0.6 Vol%, top 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics)
Top:	7.5 Vol% (128601-23-0 Hydrocarbons,C9, aromatic hydrocarbons)

Flash point:	6°C (68920- 06-9 Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics)
Ignition temperature:	270°C (64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics)

pH:	The mixture is non-polar / aprotic
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Viscosity:

Kinematic viscosity:	Not specified.
Dynamic:	>700 mPas

Solubility:

Water:	Not miscible or difficult to mix.
n-octanol/water partition coefficient (log value):	Not specified.
Vapour pressure at 20 °C:	1 hPa (64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics)

Density or relative density:

Density at 20°C:	0.831-0.869 g/cm ³
Relative density:	Not specified.
Vapour density:	Not specified.

9.2 Other information

Appearance:

Form:	Liquids
Important information on health, environment and security	
Auto ignition point:	The product is not self-igniting.
Explosive properties:	The product is not explosive, but may form explosive mixtures with the air

Solvent content:

Organic solvents:	46.9%.
Water:	0.2%.
Solids content:	52.0%.

Change of state:

Evaporation rate:	Undetermined.
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Information on the physical hazard classes:

Explosives:	none
Flammable gases:	none
Aerosols:	Highly flammable liquid and vapour.
Oxidizing gases:	none
Gases under pressure:	none
Flammable liquids:	none
Flammable solids:	none
Self-reactive substances and mixtures:	none
Pyrophoric liquids:	none
Pyrophoric solids:	none
Self-heating substances and mixtures:	none
Substances and mixtures which emit flammable gases:	none
Oxidizing liquids:	none
Oxidising solids:	none
Organic peroxides:	none
Substances corrosive to metals:	none
Desensitised explosives:	none

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No further relevant data available.

10.2. Chemical stability

Thermal decomposition / conditions to be avoided:
No decomposition if used as intended.

10.3. Possibility of hazardous reactions

Hazardous reactions unknown.

10.4. Conditions to be avoided

No further relevant data available.

10.5. Incompatible materials

No further relevant data available.

10.6. Hazardous decomposition products

Hazardous decomposition products unknown.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

Based on available data, the classification criteria are not met.

Relevant classified LD/LC50 values:

64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Oral	LD50	>5000 mg/kg	(Rat) (Acute Oral Toxicity)
Oral	LD50	3160 mg/kg	(Rabbit) (Acute Dermal Toxicity)
Inhalation	LC50(4h)	>5000 mg/l	(Rat)

128601-23-0 Hydrocarbons, C9, aromatic hydrocarbons

Oral	LD50	3492 mg/kg	(Rat)
Dermal	LD50	> 3160 mg/kg	(Rabbit)
Inhalation	LC50 (4h)	>6193 mg/l	(Rat) (Acute Inhalation Toxicity)

68920- 06-9 Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Oral	LD50	>5000 mg/kg	(Rat)
	LD50	>8 ml/kg	(Rat)
Dermal	LD50	>3100 mg/kg	(Rat)
Inhalation	LC50(4h)	>23.3 mg/l	(Rat)

68608- 26- 4 Sulfonic acids, petroleum, sodium salts

Oral	LD50	> 6000 mg/kg	(Rat)
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Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Allergic effect on airways or skin: Based on available data, the classification criteria are not met.

Mutagenic effect on germ cells: Based on available data, the classification criteria are not met.

Carcinogenic effect: Based on available data, the classification criteria are not met.

Harmful effect on reproduction: Based on available data, the classification criteria are not met.

Specific target organ toxicity – single exposure: May cause drowsiness or dizziness.

Specific target organ toxicity – repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties:

None of the components is listed.

SEKCJA 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity:

64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

EL0 (48h)	1000 mg/l (Daphnia magna)
NOELR (72h)	100 mg/l (Pseudokirchneriella subcapitata)
EL50 (72h)	>1000 mg/l (Pseudokirchneriella subcapitata)
LL50 (96h)	>1000 mg/l (Onc)

128601-23-0 Hydrocarbons, C9, aromatic hydrocarbons

NOELR (72h)	1 mg/l (Pseudokirchneriella subcapitata)
EL50 (48h)	3.2 mg/l (Daphnia magna)
LL50 (96h)	9.2 mg/l (Oncorhynchus mykiss)

68920- 06-9 Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

NOELR (72h)	10 mg/l (Pseudokirchneriella subcapitata)
EL50 (48h)	3 mg/l (Daphnia magna)
EL50 (72h)	10-30 mg/l (Pseudokirchneriella subcapitata)
LL50 (96h)	>13.4 mg/l (Oncorhynchus mykiss)
NOEC (21 days)	0.17 mg/l (Daphnia magna)
LOEC (21 days)	0.32 mg/l (Daphnia magna)

12.2. Persistence and degradability

Not easily biodegradable.

12.3. Bioaccumulative potential

No further relevant data available.

12.4. Mobility in soil

No further relevant data available.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other hazardous effects

The product does not contain substances with endocrine disrupting properties.

12.7. Other hazardous effects

Warning: Hazardous for fish.

Further ecological information:

General information:

Water hazard class 2 (Self-assessment): hazardous to water.

Do not allow the product to reach ground water, surface water or sewage system.

Dangerous to drinking water if even small quantities leak into the ground.

Poisonous to aquatic life.

SEKCJA 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recommendation:

Must not be disposed together with household garbage. Prevent from reaching sewage system.

European waste catalogue:

08 01 11 Waste paints and varnishes containing organic solvents or other dangerous substances
15 01 04 Metallic packaging
15 01 02 Plastic packaging
HP3 Flammable
HP5 Specific Target Organ Toxicity (STOT) or aspiration hazard
HP14 Ecotoxic.

Contaminated packaging:

Recommendation: Dispose of according to applicable regulations.

SEKCJA 14: TRANSPORT INFORMATION

14.1. UN number:

ADR, ADN, IMDG, IATA UN1139

14.2. Proper shipping name

ADR, ADN UN1139 COATING SOLUTION
IMDG, IATA COATING SOLUTION

14.3 Class/ Classification code

ADR, IMDG, IATA



Class 3 flammable liquids
Label 3

ADN
Class ADN/R: 3 Flammable liquids

14.4 Packaging group

III

14.5 Environmental hazards

Not applicable.

14.6. Special precautions for users

Attention: Flammable liquids.

Hazard identification number (Kemler code):

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EMS Number:

F-E,S-E

Stowage Code:

A

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

Not applicable.

Transport/ further information:

ADR

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

E

Tunnel restriction code

IMDG

Limited quantities (LQ)

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation":

UN 1139 COATING SOLUTION , 3 , III

SECTION 15: REGULATORY INFORMATION

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

Directive 2012/18/EU

Indicated dangerous components- ANNEX I None of the components are listed.

Seveso category: P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements: 5000 t

Qualifying quantity (tonnes) for the application of upper-tier requirements: 50000 t

Regulation (EC) no 1907/2006 ANNEX XVII: Restriction conditions: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II: none of the components is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit for the purpose of licensing according to Article 5 item 3):

None of the components are listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS: None of the components are listed.

Regulation (EC) No. 273/2004 on drug precursors: none of the components are listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors None of the components are listed.

National regulations:

Employment Limitation Tips:

Class	share %
Water	0.1-<1
NK	25-<50

VOC-CH 46,95 %

VOC-EU 412,7 g/l

Danish MAL Code 5-3

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SEKCJA 16: OTHER INFORMATION

This information is based on our present knowledge; however it does not definitively define the production characteristics and cannot be used as a justification for valid contracts.

Relative phrases:

H225 Flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long-lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

Classification according to the regulation (EC) no 1272/ 2008L:

PHYSICAL AND CHEMICAL PROPERTIES: The classification is based on the results of the mixtures tested.

Health hazards, Environmental hazards: The method of classification of mixtures based on the constituents of the mixture (sum formula).

Explanation of abbreviations and acronyms:

RID:	Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO:	International Civil Aviation Organisation
ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
GHS:	Globally Harmonised System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
MAL-Code:	Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labelling concerning inhalation hazards, Denmark)
DNEL:	Derived No-Effect Level (REACH)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	Very Persistent and very Bioaccumulative
Flam. Liq. 2:	Flammable liquids – Category 2
Flam. Liq. 3:	Flammable liquids – Category 3
Acute Tox. 4:	Acute toxicity – Category 4
Skin Irrit. 2:	Skin corrosion/irritation – Category 2
Eye Irrit. 2:	Serious eye damage/eye irritation – Category 2
STOT SE 3:	Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1:	Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term hazard to the aquatic environment – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term hazard to the aquatic environment – Category 3

The information contained in the Sheet applies only to the title product and cannot be transferred to similar products. The Sheet has been developed on the basis of the best of our knowledge and current information collected. The data contained in the Sheet should be treated only as tips concerning safe handling in transport, distribution, use and storage.

The user of the product is obliged to comply with all applicable standards and regulations, and is also liable for misuse of the information contained in the Sheet.

Sheet number: 00-1N6L-1122-V1