

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

- **1.1 Product identifier**
- **Trade name: Underbody Schutz 0222**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Anticorrosion additive
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Granville Oil & Chemicals Ltd
29 Goldthorpe Ind Est
Goldthorpe,
Rotherham,
South Yorkshire
S63 9BL
Tel: +44(0)1709 890099
E-mail: lab@granvilleoil.com
- **Further information obtainable from:** Product safety Department
- **1.4 Emergency telephone number:**
Telephone: +44(0)1709 890099

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



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



Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



STOT SE 3 H336 May cause drowsiness or dizziness.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



GHS02 GHS07 GHS09

- **Signal word** Danger
- **Hazard-determining components of labelling:**
Naphtha (petroleum), hydrotreated light
C9-aromatics
- **Hazard statements**
H225 Highly flammable liquid and vapour.
H336 May cause drowsiness or dizziness.

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H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P243 Take action to prevent static discharges.
- P280 Wear protective gloves / eye protection / face protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- 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

3.2 Mixtures

 • **Description:** Mixture of substances listed below with additions.

Dangerous components:

EC number: 920-750-0 Reg.nr.: 01-2119473851-33-0001	Naphtha (petroleum), hydrotreated light ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336, EUH066	25-<50%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35	C9-aromatics ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H335-H336, EUH066	3-<5%
CAS: 108-32-7 EINECS: 203-572-1 Reg.nr.: 01-2119537232-48	Propylene carbonate ⚠ Eye Irrit. 2, H319	1-<3%

 • **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

 • **General information:** Immediately remove any clothing soiled by the product.

After skin contact:

Immediately rinse with water.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

 • **After swallowing:** If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mount respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Prevent seepage into sewage system, workpits and cellars.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Use only in well ventilated areas.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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• **DNELs**
Naphtha (petroleum), hydrotreated light

Oral	Long-term - systemic effects, general population	699 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, worker	773 mg/kg bw/day (Worker)
	Long-term - systemic effects, general population	699 mg/kg bw/day (General population)
Inhalative	Long-term - systemic effects, worker	2,035 mg/m3 (Worker)
	Long-term - systemic effects, general population	608 mg/m3 (General Population)

 • **PNECs**
CAS: 108-32-7 Propylene carbonate

Aquatic compartment - freshwater	0.9 mg/L
Aquatic compartment - marine water	0.09 mg/L
Aquatic compartment - water, intermittent releases	9 mg/L
Terrestrial compartment - soil	0.81 mg/kg dw
Sewage treatment plant	7,400 mg/L

• **Additional information:** The lists valid during the making were used as basis.

 • **8.2 Exposure controls**

• **Appropriate engineering controls** No further data; see section 7.

• **Individual protection measures, such as personal protective equipment**

• **General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

• **Respiratory protection:**



Filter A

• **Hand protection**

Not required.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

• **Material of gloves**

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 preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber

Recommended thickness of the material: $\geq 0,12$ mm

• **Penetration time of glove material**

> 480 min.

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **Eye/face protection**



Tightly sealed goggles

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- **Body protection:** Use protective suit.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state	Fluid
· Colour:	Black
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	106-140 °C (Naphtha (petroleum), hydrotreated light)
· Flammability	Highly flammable.
· Lower and upper explosion limit	
· Lower:	0.9 Vol % (Naphtha (petroleum), hydrotreated light)
· Upper:	7 Vol % (Naphtha (petroleum), hydrotreated light)
· Flash point:	6 °C (DIN 53213, Naphtha (petroleum), hydrotreated light)
· Auto-ignition temperature:	>200 °C (Naphtha (petroleum), hydrotreated light)
· Decomposition temperature:	Not determined.
· pH	Mixture is non-soluble (in water).
· Viscosity:	
· Kinematic viscosity At 40 °C	>20.5 mm ² /s
· Dynamic At 20 °C:	4,500 mPas
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure At 20 °C:	20 hPa (Naphtha (petroleum), hydrotreated light)
· Vapour pressure At 50 °C:	111 hPa
· Internal Pressure :	
· Vapour pressure At 50 °C:	120 hPa
· Density and/or relative density	
· Density At 20 °C:	1.09 g/cm ³ (DIN 51757)
· Relative density	Not determined.
· Vapour density	Not determined.

· 9.2 Other information

· VOC (EU):	35.29 %
· VOC (EU):	384.6 g/l
· VOCV:	31.18 %
· Appearance:	
· Form:	Fluid
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Solvent content:	
· Organic solvents:	35.3 %
· Water:	0.0 %
· Solids content:	65.7 % (DIN 53216)
· Change in condition	
· Evaporation rate	Not determined.

· Information with regard to physical hazard classes

· Explosives	Void
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· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Highly flammable liquid and vapour.
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

Naphtha (petroleum), hydrotreated light

Oral	LD50	>5,000 mg/kg (RAT)
Dermal	LD50	>2,800 mg/kg (RABBIT)
Inhalative	LC 50	>23.3 mg/l (RAT)

C9-aromatics

Oral	LD50	5,558-7,093 mg/kg (rat)
Dermal	LD50	2,000-3,160 mg/kg (rabbit)

CAS: 108-32-7 Propylene carbonate

Oral	LD50	33,520 mg/kg (RAT)
Dermal	LD50	>2,000 mg/kg (RABBIT)
	LC50/96 h	>1,000 mg/l (CYPRINUS CARPIO)

- **STOT-single exposure** May cause drowsiness or dizziness.
- **Additional toxicological information:** No further relevant information available.

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· **11.2 Information on other hazards**

 · **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

 · **12.1 Toxicity**

 · **Aquatic toxicity:**
Naphtha (petroleum), hydrotreated light

LL50/96 h >13.4 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)

EL50/48 h 3 mg/l (DAPHNIA MAGNA)

EL50/72 h 10-30 mg/l (SELENASTRUM CAPRICORNUTUM)

CAS: 108-32-7 Propylene carbonate

EC50/48 h >1,000 mg/l (DAPHNIA MAGNA)

 · **12.2 Persistence and degradability** No further relevant information available.

 · **12.3 Bioaccumulative potential** No further relevant information available.

 · **12.4 Mobility in soil** No further relevant information available.

 · **12.5 Results of PBT and vPvB assessment**

 · **PBT:** Not applicable.

 · **vPvB:** Not applicable.

 · **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

 · **12.7 Other adverse effects**

 · **Remark:** Toxic for fish

 · **Additional ecological information:**

 · **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

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

Danger of drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

SECTION 13: Disposal considerations

 · **13.1 Waste treatment methods**

 · **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Dispose of as dangerous waste.

 · **Uncleaned packaging:**

 · **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

 · **14.1 UN number or ID number**






 · **ADR/RID/ADN, IMDG, IATA** UN1139

 · **14.2 UN proper shipping name**

 · **ADR/RID/ADN** 1 1 3 9 COATING SOLUTION, ENVIRONMENTALLY HAZARDOUS

 · **IMDG** COATING SOLUTION, MARINE POLLUTANT

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· IATA	COATING SOLUTION
· 14.3 Transport hazard class(es)	
· ADR/RID/ADN	
 	
· Class	3 (F1) Flammable liquids.
· Label	3
· IMDG	
 	
· Class	3 Flammable liquids.
· Label	3
· IATA	
	
· Class	3 Flammable liquids.
· Label	3
· 14.4 Packing group	
· ADR/RID/ADN, IMDG, IATA	II
· 14.5 Environmental hazards:	Product contains environmentally hazardous substances: Naphtha (petroleum), hydrotreated light
· Marine pollutant:	Yes
· Special marking (ADR/RID/ADN):	Symbol (fish and tree)
· 14.6 Special precautions for user	
· Hazard identification number (Kemler code):	33
· EMS Number:	F-E, <u>S</u> -E
· Stowage Category	B
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	Transport classification ADR/IMDG is based on packaging >450 ltr. Different classifications may apply for other packaging units.
· ADR/RID/ADN	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Transport category	2
· Tunnel restriction code	D/E

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- | | |
|--|---|
| <ul style="list-style-type: none"> • IMDG • Limited quantities (LQ) • Excepted quantities (EQ) | 5L
Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml |
| <ul style="list-style-type: none"> • UN "Model Regulation": | UN 1139 COATING SOLUTION, 3, II,
ENVIRONMENTALLY HAZARDOUS |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**

<ul style="list-style-type: none"> • Regulated explosives precursors
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None of the ingredients is listed.

<ul style="list-style-type: none"> • Regulated poisons
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None of the ingredients is listed.

<ul style="list-style-type: none"> • Reportable explosives precursors

None of the ingredients is listed.

<ul style="list-style-type: none"> • Reportable poisons

None of the ingredients is listed.

- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.

- **Hazard pictograms**



GHS02 GHS07 GHS09

- **Signal word** Danger

- **Hazard-determining components of labelling:**

Naphtha (petroleum), hydrotreated light
 C9-aromatics

- **Hazard statements**

H225 Highly flammable liquid and vapour.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

- **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P243 Take action to prevent static discharges.
 P280 Wear protective gloves / eye protection / face protection.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **Seveso category**

E2 Hazardous to the Aquatic Environment
 P5c FLAMMABLE LIQUIDS

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- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **National regulations:**
- **Technical instructions (air):**

Class	Share in %
NK	35.3

- **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H319 Causes serious eye irritation.
- 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.

· Abbreviations and acronyms:

- ADR: Accord relatif au transport international 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)
- DNEL: Derived No-Effect Level (UK REACH)
- PNEC: Predicted No-Effect Concentration (UK REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- ATE: Acute toxicity estimate values
- Flam. Liq. 2: Flammable liquids – Category 2
- Flam. Liq. 3: Flammable liquids – Category 3
- 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 aquatic hazard – Category 2

GB