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

1.1. Product identifier

Product form: Mixture
Product name: White-spirit
EC-No.: 919-446-0
CAS-No.: 64742-82-1
REACH registration No: 01-2119458049-33
Product code: 1101, 1103, 1109, 1112, 1113
Type of product: Solvents

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

1.2.1. Relevant identified uses

Main use category: Industrial use, Professional use
Function or use category: Solvents

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Old Holland Classic Colours Since 1664
Nijendal 36
3972 KC Driebergen - Rijssenburg - Nederland
T 0031 343 518 224 - F 0031 343 516 342
info@oldholland.com - www.oldholland.com

1.4. Emergency telephone number

<table>
<thead>
<tr>
<th>Country</th>
<th>Organisation/Company</th>
<th>Address</th>
<th>Emergency number</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>United Kingdom</td>
<td>National Poisons Information Service (Belfast Centre)</td>
<td>Grosvenor Road BT12 6BA Belfast</td>
<td>0344 892 0111</td>
<td>Only for the purpose of informing medical personnel in cases of acute intoxications</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>National Poisons Information Service (Birmingham Centre)</td>
<td>Dudley Road B18 7QH Birmingham</td>
<td>0344 892 0111</td>
<td>Only for the purpose of informing medical personnel in cases of acute intoxications</td>
</tr>
</tbody>
</table>

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

- Flammable liquids, Category 3 H226
- Specific target organ toxicity — Single exposure, Category 3, Narcosis H336
- Specific target organ toxicity — Repeated exposure, Category 1 H372
- Aspiration hazard, Category 1 H304
- Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411

Full text of H statements: see section 16

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. Causes damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP):
- GHS02
- GHS07
- GHS08
- GHS09

Signal word (CLP): Danger

Hazardous ingredients:
- Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%)

Hazard statements (CLP):
- H226 - Flammable liquid and vapour.
- H304 - May be fatal if swallowed and enters airways.
- H336 - May cause drowsiness or dizziness.
- H372 - Causes damage to organs through prolonged or repeated exposure.
- H411 - Toxic to aquatic life with long lasting effects.

2.3. Other hazards
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

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%)</td>
<td>(CAS-No.) 64742-82-1 (EC-No.) 919-446-0 (REACH-no) 01-2119458049-33</td>
<td>&lt;= 100</td>
<td>Flam. Liq. 3, H226 STOT SE 3, H336 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 2, H411</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/effects after inhalation: May cause drowsiness or dizziness.
Symptoms/effects after skin contact: Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after ingestion: May be fatal if swallowed and enters airways. Risk of lung edema.

4.3. Indication of any immediate medical attention and special treatment needed
Do not induce vomiting/risk of damage to lungs exceeds poisoning risk.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture
Fire hazard: Flammable liquid and vapour.
Explosion hazard: May form flammable/explosive vapour-air mixture.
Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3. Advice for firefighters
Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
6.1. For non-emergency personnel

Emergency procedures: Ventilate spillage area. Evacuate unnecessary personnel. NO open flames, NO sparks, and NO smoking. Do not breathe vapours, mist.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. Avoid breathing vapors, mist, spray. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment: Collect spillage.

Methods for cleaning up: Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Provide adequate ventilation. Notify authorities if product enters sewers or public waters.

Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure-controls/personal protection". Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed:

Precautions for safe handling: Handle empty containers with care because residual vapours are flammable.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Proper grounding procedures to avoid static electricity should be followed.

Storage conditions: Keep only in the original container in a cool, well-ventilated place. Containers which are opened should be properly resealed and kept upright to prevent leakage. Never use pressure to empty container. Keep container tightly closed. No smoking. Store locked up.


Incompatible materials: Keep away from ignition sources (including static discharges).

Heat and ignition sources: Keep away from heat and direct sunlight.

7.3. Specific end use(s)

Solvent.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%) (64742-82-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU</td>
</tr>
<tr>
<td>EU</td>
</tr>
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</tr>
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<td>EU</td>
</tr>
<tr>
<td>EU</td>
</tr>
<tr>
<td>EU</td>
</tr>
</tbody>
</table>

White-spirit (64742-82-1)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal: 44 mg/kg bodyweight/day

Long-term - systemic effects, inhalation: 330 mg/m³
White-spirit
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2016/1179

White-spirit (64742-82-1)
DNEL/DMEL (General population)

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Permeation</th>
<th>Thickness (mm)</th>
<th>Penetration</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long-term - systemic effects, oral</td>
<td>26 mg/kg bodyweight/day</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Long-term - systemic effects, inhalation</td>
<td>71 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Long-term - systemic effects, dermal</td>
<td>26 mg/kg bodyweight/day</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

Personal protective equipment:

Hand protection:
Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Permeation</th>
<th>Thickness (mm)</th>
<th>Penetration</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gloves</td>
<td>Natural rubber, Butyl rubber, Polyvinylchloride (PVC)</td>
<td>6 (&gt; 480 minutes)</td>
<td>&gt;0.5</td>
<td>EN 374</td>
<td></td>
</tr>
</tbody>
</table>

Eye protection:
Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles. EN 166

Skin and body protection:
In case of possible repeated skin contact wear protective clothing. CEN : EN 340; EN 369; EN 465

Respiratory protection:
In case of inadequate ventilation wear respiratory protection. EN 143

<table>
<thead>
<tr>
<th>Device</th>
<th>Filter type</th>
<th>Condition</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas mask</td>
<td>Type A - High-boiling (&gt;65 °C) organic compounds</td>
<td>If conc. in air &gt; exposure limit</td>
<td>EN 143</td>
</tr>
</tbody>
</table>

Personal protective equipment symbol(s):

Environmental exposure controls:
Avoid release to the environment.

Other information:
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>pale</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>Solvent-like odour</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>135 - 220 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 30 °C</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>&gt; 200 °C</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
</tbody>
</table>
White-spirit
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2016/1179

Flammability (solid, gas) : Flammable liquid and vapour.
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : No data available
Density : 0.721 - 0.826 g/cm³ (15°C)
Solubility : Insoluble in water.
Log Pow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : 0.0014 Pa.s
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : 0.6 - 7 vol %

VOC content : <= 100 %

SECTION 10: Stability and reactivity
10.1. Reactivity
Flammable liquid and vapour.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No additional information available

10.4. Conditions to avoid
Avoid contact with hot surfaces. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials
Oxidizing agents.

10.6. Hazardous decomposition products
Fume. Carbon monoxide.

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%) (64742-82-1)

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 4 mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation : Not classified
Additional information : Repeated exposure may cause skin dryness or cracking.
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.
STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard : May be fatal if swallowed and enters airways.
Other information : Risk of aspiration pneumonia.

SECTION 12: Ecological information
12.1. Toxicity
Ecology - water : Toxic to aquatic life with long lasting effects.
Acute aquatic toxicity : Not classified
Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%) (64742-82-1)

<table>
<thead>
<tr>
<th>Test</th>
<th>Concentration (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50 Daphnia 1</td>
<td>7.8 g/l</td>
</tr>
<tr>
<td>EC50 other aquatic organisms 1</td>
<td>3.59 g/l</td>
</tr>
</tbody>
</table>
White-spirit
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2016/1179

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment

White-spirit (64742-82-1)
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

12.6. Other adverse effects
Additional information: Avoid release to the environment.

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to an authorized waste treatment plant.

Additional information: Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials: Avoid release to the environment. Hazardous waste due to toxicity.

SECTION 14: Transport information
In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
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<tbody>
<tr>
<td>1300</td>
<td>1300</td>
<td>1300</td>
<td>1300</td>
<td>1300</td>
</tr>
</tbody>
</table>

14.2. UN proper shipping name

| TURPENTINE SUBSTITUTE (Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%)) | TURPENTINE SUBSTITUTE (Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%)) | Turpentine substitute (HYDROCARBONS, C9-C12, N-ALKANES, CYCLIC, AROMATIC COMPOUNDS (2-25%)) | TURPENTINE SUBSTITUTE (Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%)) | TURPENTINE SUBSTITUTE (Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%)) |

Transport document description

UN 1300 TURPENTINE SUBSTITUTE (Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%)), 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS

UN 1300 TURPENTINE SUBSTITUTE (Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%)), 3, III

UN 1300 Turpentine substitute (HYDROCARBONS, C9-C12, N-ALKANES, CYCLIC, AROMATIC COMPOUNDS (2-25%)), 3, III, ENVIRONMENTALLY HAZARDOUS

UN 1300 TURPENTINE SUBSTITUTE (Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%)), 3, III

UN 1300 TURPENTINE SUBSTITUTE (Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%)), 3, III, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

14.4. Packing group

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>III</td>
<td>III</td>
<td>III</td>
<td>III</td>
<td>III</td>
</tr>
</tbody>
</table>

14.5. Environmental hazards

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dangerous for the environment : Yes</td>
<td>Dangerous for the environment : Yes</td>
<td>Dangerous for the environment : Yes</td>
<td>Dangerous for the environment : Yes</td>
<td>Dangerous for the environment : Yes</td>
</tr>
</tbody>
</table>

No supplementary information available
14.6. Special precautions for user

Overland transport
Classification code (ADR) : F1
Limited quantities (ADR) : 5l
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P001, IBC03, LP01, R001
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T2
Portable tank and bulk container special provisions (ADR) : TP1
Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Operation (ADR) : S2
Hazard identification number (Kemler No.) : 30
Orange plates

Tunnel restriction code (ADR) : D/E
EAC code : 3YE

Transport by sea
Special provisions (IMDG) : 223
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P001, LP01
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T2
Tank special provisions (IMDG) : TP1
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-E
Stowage category (IMDG) : A
Properties and observations (IMDG) : Immiscible with water.
MFAG-No : 128

Air transport
PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y344
PCA limited quantity max net quantity (IATA) : 10L
PCA packing instructions (IATA) : 355
PCA max net quantity (IATA) : 60L
CAO packing instructions (IATA) : 366
CAO max net quantity (IATA) : 220L
Special provisions (IATA) : A3
ERG code (IATA) : 3L

Inland waterway transport
Classification code (ADN) : F1
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Carriage permitted (ADN) : T
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01
Number of blue cones/lights (ADN) : 0

Rail transport
Classification code (RID) : F1
Excepted quantities (RID) : E1
White-spirit
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2016/1179

Packing instructions (RID): P001, IBC03, LP01, R001
Mixed packing provisions (RID): MP19
Portable tank and bulk container instructions (RID): T2
Portable tank and bulk container special provisions (RID): TP1
Tank codes for RID tanks (RID): LGBF
Transport category (RID): 3
Special provisions for carriage – Packages (RID): W12
Colis express (express parcels) (RID): CE4
Hazard identification number (RID): 30

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
Organic solvent
Contains no REACH Annex XIV substances
VOC content: <= 100 %

<table>
<thead>
<tr>
<th>Seveso III Part I (Categories of dangerous substances)</th>
<th>Qualifying quantity (tonnes)</th>
<th>Lower-tier</th>
<th>Upper-tier</th>
</tr>
</thead>
<tbody>
<tr>
<td>P5c: FLAMMABLE LIQUIDS Flammable liquids, Categories 2 or 3 not covered by P5a and P5b</td>
<td>50000 5000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E2 Hazardous to the Aquatic Environment in Category Chronic 2</td>
<td>500 200</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:
Revised safety data sheet in accordance with commission regulation (EU) No 2016/1179.

<table>
<thead>
<tr>
<th>Section</th>
<th>Changed item</th>
<th>Change</th>
<th>Comments</th>
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<tbody>
<tr>
<td>CAO max net quantity (IATA)</td>
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<tr>
<td>Excepted quantities (RID)</td>
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</tr>
<tr>
<td>Colis express (express parcels) (RID)</td>
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<td></td>
</tr>
<tr>
<td>Transport category (RID)</td>
<td>Modified</td>
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<tr>
<td>Portable tank and bulk container instructions (RID)</td>
<td>Modified</td>
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<tr>
<td>Packing instructions (RID)</td>
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<td>Proper Shipping Name (IATA)</td>
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<tr>
<td>Number of blue cones/lights (ADN)</td>
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<tr>
<td>Excepted quantities (ADN)</td>
<td>Modified</td>
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<tr>
<td>Limited quantities (ADN)</td>
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<tr>
<td>Hazard identification number (RID)</td>
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<td></td>
</tr>
<tr>
<td>Special provisions (IMDG)</td>
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<td></td>
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<tr>
<td>Topic</td>
<td>Status</td>
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<tr>
<td>----------------------------------------------------------------------</td>
<td>----------</td>
<td></td>
<td></td>
</tr>
<tr>
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# White-spirit Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2016/1179

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Abbreviations and acronyms:

- **ADR**: European Agreement concerning the International Carriage of Dangerous Goods by Road
- **ATE**: Acute Toxicity Estimate
- **CAS**: CAS (Chemical Abstracts Service) number
- **CLP**: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
- **CMR**: Carcinogenic, Mutagenic, Reprotoxic
- **CSA**: Chemical Safety Assessment
- **CSR**: Chemical Safety Report
- **DNEL**: Derived No Effect Level
- **EC50**: Median Effective Concentration (required to induce a 50% effect)
- **EINECS**: European Inventory of Existing Commercial Chemical Substances
- **GHS**: Globally Harmonized System of Classification and Labelling of Chemicals
- **IATA**: International Air Transport Association
- **IMDG**: International Maritime Code for Dangerous Goods
- **LC50**: Lethal concentration, 50 percent
- **LD50**: Lethal dose, 50 percent
- **PBT**: Persistent Bioaccumulative Toxic
- **PNEC**: Predicted No Effect Concentration (for environment)
- **REACH**: Registration, Evaluation and Authorisation of Chemical substances
- **RID**: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- **SVHC**: Substances of Very High Concern
- **vPvB**: Very Persistent and Very Bioaccumulative


Other information: REACH Disclaimer:
This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number). DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements:

- **Aquatic Chronic 2**: Hazardous to the aquatic environment — Chronic Hazard, Category 2
- **Asp. Tox. 1**: Aspiration hazard, Category 1
- **Flam. Liq. 3**: Flammable liquids, Category 3
- **STOT RE 1**: Specific target organ toxicity — Repeated exposure, Category 1
- **STOT SE 3**: Specific target organ toxicity — Single exposure, Category 3, Narcosis
- **H226**: Flammable liquid and vapour.
- **H304**: May be fatal if swallowed and enters airways.
- **H336**: May cause drowsiness or dizziness.
White-spirit
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2016/1179

<table>
<thead>
<tr>
<th>H372</th>
<th>Causes damage to organs through prolonged or repeated exposure.</th>
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<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects.</td>
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Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| Flam. Liq. 3 | H226 Calculation method                                      |
| STOT SE 3    | H336 Calculation method                                      |
| STOT RE 1    | H372 Calculation method                                      |
| Asp. Tox. 1  | H304 Expert judgment                                         |
| Aquatic Chronic 2 | H411 Calculation method                         |

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.