

CHEMICAL HAZARD DATA SHEET WHITE SPIRIT**REVISION 5 MARS 2010****1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY****1.1 IDENTIFICATION OF THE SUBSTANCE OR PREPARATION**

PRODUCT NAME: WHITE SPIRIT

1.2 PRODUCT USES: SOLVENT

1.3 COMPANY/UNDERTAKING IDENTIFICATION:

RESPONSIBLE FOR PLACING THE SUBSTANCE ON THE MARKET
DIRECTOR FOR THE SALES DEPARTMENT OF THE CHEMICALS
TEL NR:

E-MAIL AND TELEPHONE NR OF RESPONSIBLE FOR SAFETY DATA SHEET

1.4 EMERGENCY TELEPHONE NUMBER:

2. HAZARDS IDENTIFICATION

CLASSIFICATION/ LABELLING:

Xn:



N:



RISK PHRASES:

R10, R65, R66, R51/53

HEALTH INFORMATION:

Slightly irritating.
Low order of toxicity.
Ingestion of the product causes serious pulmonary injury
and death.

INHALATION:

Avoid prolonged inhalation of the vapor.

EYE:

Avoid contact with eyes.

SKIN:

Avoid prolonged contact with skin.

INGESTION:

If it happens can cause serious pulmonary injury.

PHYSICAL AND CHEMICAL HAZARD DATA: Flammable product. Liquids can release vapors that
can form explosive mixtures.**3. COMPOSITION / INFORMATION ON INGREDIENTS**

3.1 INGREDIENTS:

Petroleum extract. Mixture of 80% saturated hydrocarbons
and 20% aromatic compounds (no contents of benzene).

IUPAC NAME:

None. Mixture of hydrocarbons

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- 3.2 CONCENTRATIONS OF DANGEROUS SUBSTANCES: ~1% (m/m) Xylenes
3.3 CONCENTRATIONS OF NON DANGEROUS SUBSTANCES: Non estimated
3.4 CLASSIFICATION / LABELLING/RISK PHRASES OF DANGEROUS SUBSTANCES:



Xn: R10, R20/21, R38

- 3.5 CHEMICAL FORMULA: Mixture of hydrocarbons
CAS No: 64742-88-7
EINECS No: 265-191-7
ELINCS No: 649-405-00-X

4. FIRST AID MEASURES

- GENERAL ADVICE: Immediately remove contaminated clothing.
- INHALATION: Remove immediately from exposure.
Administer oxygen or artificial respiration if breathing is irregular or has stopped.
Keep at rest and get prompt medical attention.
- SKIN CONTACT: Flush with plenty of water, until irritation subsides. If the irritation persists get medical advice.
- EYE CONTACT: Flush eyes with plenty of water for at least 15 minutes. Call a physician.
- INGESTION: If swallowed, do not induce vomiting. Keep individual warm and quiet and call a physician.

5. FIRE FIGHTING MEASURES:

- SUITABLE EXTINGUISHING MEDIA: Foam or dry chemical (for small fire).
- EXTINGUISHING MEDIA WHICH ARE NOT SUITABLE: Water.
- SPECIFIC HAZARDS: Flammable product. Released gases can form flammable mixtures.
In combustion emits toxic fumes of carbon dioxide / carbon monoxide.
Eliminate sources of spark or ignition.
Shut off source of leakage, if possible.
Use water cloud to avoid flammable gases (not in the fire).
Use water only to cool fire exposed surfaces.
- SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES:

- GENERAL ADVICE: If safe to do so, shut off leak.

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PERSONAL PROTECTION: Use self-contained breathing apparatus.
Avoid contact with skin, eyes, vapor inhaling and ingestion.
Eliminate any source of spark or ignition; do not smoke.

ENVIRONMENTAL PROTECTION: The product should not be released to the environment.
Contain the liquid with earth, not with sawdust.
Use foam to confine the vapors of the product.
Collect liquid in closed containers.

7. HANDLING AND STORAGE:

7.1 HANDLING

TECHNICAL MEASURES: Low order of toxicity, but highly flammable with explosive vapors in the air.

PRECAUTIONS: In working areas the vapors outlet should be to a safe place.
Provide for shower/eye-wash fountain.

SAFE USE ADVICE: Prohibit all sources of sparks and ignition.
Do not smoke.
Avoid electrostatic accumulation.
Use proper grounding procedure in flammable areas.
Use explosive-proof equipment.

7.2 STORAGE

TECHNICAL MEASURES / STORAGE CONDITIONS:
Storage temperature: Ambient.
Storage pressure: Atmospheric.
Static accumulation hazard: YES

COMPATIBLE PRODUCTS: Carbon Steel
Stainless Steel
Polyethylene
Polypropylene
Teflon

INCOMPATIBLE MATERIALS: Natural Rubbers
Butyl Rubber
EPDM
Polystyrene
Solvent

7.3 SPECIFIC USE(S):

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 EXPOSURE LIMIT VALUES: Average allowed concentration for 8-hour exposure 100 ppm.

8.2 EXPOSURE CONTROLS:

8.2.1 OCCUPATIONAL EXPOSURE CONTROL: Ensure there is sufficient ventilation of the area.

8.2.1.1 RESPIRATORY PROTECTION: Hydrocarbon-filter face shields.

8.2.1.2 HAND PROTECTION: Plastic gloves.

8.2.1.3 EYE PROTECTION: Wear safety glasses or goggles.

8.2.1.4 SKIN PROTECTION: Protective overalls.

SPECIFIC HYGIENE MEASURES: Avoid inhaling and skin and eye contact.

8.2.2 ENVIRONMENTAL EXPOSURE CONTROL: Avoid spillage of the product to earth and to sewer.

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9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 GENERAL INFORMATION**

APPEARANCE
PHYSICAL STATE: Liquid.
COLOUR: Colourless
ODOUR: Characteristic petroleum odour.

9.2 IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

pH: Not applicable
BOILING POINT: 150-200 °C
FLASH POINT: 41° C
FLAMMABILITY: Not available.
EXPLOSIVE PROPERTIES: Lower limit 0.6% volume in the air.
Higher limit 7% volume in the air.
OXIDIZING PROPERTIES: None.
VAPOR PRESSURE: <200 mmHg at 38 ° C.
DENSITY: 0,79 g/cm³
SOLUBILITY: Insoluble in water.
PARTITION COEFFICIENT: N-octanol/water. 3,3-6,7 at 20 °C.
VISCOSITY: Not available.
VAPOR DENSITY: Not available.
EVAPORATION RATE: Not available.

9.3 OTHER INFORMATION

FAT SOLUBILITY: Yes.
MELTING POINT: -48 - -26 °C
AUTOFLAMMABILITY: > or =230 °C
MOLECULAR WEIGHT: 140 (Average)

10. STABILITY AND REACTIVITY

STABILITY Stable under normal conditions.

10.1 CONDITIONS TO AVOID: Avoid spraying water directly into storage containers due to danger to boilover.
Avoid heat, flames, sparks.

10.2 MATERIALS TO AVOID: Strong oxidising agents.

10.3 HAZARDOUS DECOMPOSITION PRODUCTS: None

11. TOXICOLOGICAL INFORMATION

TOXICOKINETICS/ METABOLISM AND DISTRIBUTION: Exposure to high concentrations of vapour may cause drowsiness; dizziness, nausea, headaches, vomiting. Prolonged contact with skin may cause irritation leading to dermatitis in extreme cases.
May cause eye irritation.

ACUTE TOXICITY/IRRITATION/CORROSIVITY: Rat oral LD₅₀ is greater than 5 g/kg.
Rabbit LD₅₀ is greater than 3 g/kg.
0,1 ml of the product may cause a slight to moderate redness and swelling.

SENSITISATION: No data available.

REPEAT DOSE TOXICITY: No data available.

CMR EFFECTS (CARCENOGENICITY, MUTAGENICITY, AND TOXICITY FOR REPRODUCTION): No data available.

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12. ECOLOGICAL INFORMATION

The information is from similar products (kerosines)

12.1 ECOTOXICITY:

Fish
(Oncorhynchus mykiss) LC₅₀ 96h 18-25 mg/l
(Brachydanio rerio) LC₅₀ 96h 7,3 mg/l
(Pimephales promelas) LC₅₀ 96h 45 mg/l
Invertebrate
(Daphnia magna) EC₅₀ 48 h 1,4-21 mg/l
(Chaetogammarus marinus) EC₅₀ 48 h 1 mg/l
Algae
(Raphidocelis subcapitata) IC₅₀ 72 h 3,7-8,3 mg/l
(Concawe report 01/54)

12.2 MOBILITY:

The product floats on water and the vapor disperses in the air. Adsorbs in the earth.

12.3 PERSISTENCE AND DEGRADABILITY: The kerosines are regarded as being inherently biodegradable.

12.4 BIOACCUMULATIVE POTENTIAL: Bioaccumulation potential. Metabolic processes eliminate the concentration of the product.

12.5 RESULTS OF PBT ASSESSMENT: No data available.

12.6 OTHER ADVERSE EFFECTS: No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT:

If recovering is not possible, dispose the product ensuring conformity to local disposal regulations.

14. TRANSPORT INFORMATION

TRANSPORT MEANS:

Tank trucks, tankers, drums.

TRANSPORT TEMPERATURE:

Ambient.

TRANSPORT PRESSURE:

Atmospheric.

ELECTROSTATIC ACCUMULATION HAZARD: Yes.

LOADING/UNLOADING TEMPERATURE: Ambient.

ADR/RID: 30

IMCO: 3.2

IATA : 3

PACKING GROUP: III

UN NR: 1300

CLASS : 3

CLASSIFICATION CODE: F1

LABEL: 3

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SAFETY DATA SHEETS:

D 67/548/EEC
D 1999/45/EC
D 2001/58/EC
D 2001/59/EC
R 1907/2006/EC
R 1272/2008/EC

HAZARD SYMBOLS:

Xn:
HarmfulN:
Dangerous for the environment**16. OTHER INFORMATION**

RISK AND SAFETY PHRASES:

R 10-65-66-51/53
S (2-)-23-24-61-62R 10 Flammable
R 65 Harmful if swallowed.
R 66 Repeated exposure may cause skin dryness or cracking.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S(-2) Keep out of the reach of children.
S 23 Do not breath gas/fumes/vapour/spray.
S 24 Avoid contact with skin.
S 61 Avoid release to the environment. Refer to special instructions / safety data sheets.
S 62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

TRAINING ADVICE:

The information of this Safety Data Sheet can be used for training advice.

RECOMMENDED RESTRICTIONS ON USE: None.

FURTHER INFORMATION:

This Safety Data Sheet is according to REACH regulation 1907/2006 L396 and can be revised when new evidence would be found.

SOURCES OF KEY DATA USED TO COMPILE THE SAFETY DATA SHEET: The decisions and regulations mentioned above and data from international bibliography.

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