

SAFETY DATA SHEET Spirit Stain

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name Spirit Stain

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

Identified uses Air drying paint/lacquer product for interior use.

Uses advised againstNo specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier Chestnut Products

PO BOX 260, Stowmarket, IP14 9BX

+44 (0) 1473 890118 +44 (0) 1473 206522

mailroom@chestnutproducts.co.uk

1.4. Emergency telephone number

Emergency telephone +44 (0)1473 425878 (09:00-17:00 Mon- Fri)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Flam. Liq. 2 - H225

Health hazards Acute Tox. 4 - H302 Eye Irrit. 2 - H319 STOT SE 2 - H371

Environmental hazards Not Classified

Classification (67/548/EEC or F; R11. Xn; R22, R68/20/21/22. Xi; R36

1999/45/EC)

2.2. Label elements

Pictogram







Signal word

Danger

Hazard statements H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H319 Causes serious eye irritation. H371 May cause damage to organs .

Spirit Stain

Precautionary statements P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P264 Wash contaminated skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

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

Contains Methanol

Supplementary precautionary statements

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P260 Do not breathe vapour/spray.

P270 Do not eat, drink or smoke when using this product.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor.

P330 Rinse mouth.

P337+P313 If eye irritation persists: Get medical advice/attention.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Ethanol 50 - 100%

CAS number: 64-17-5 EC number: 200-578-6

Substance with National workplace exposure limits.

Classification Classification (67/548/EEC or 1999/45/EC)

Flam. Liq. 2 - H225 F; R11

4-Hydroxy-4-methylpentan-2-one 25 - <50%

CAS number: 123-42-2 EC number: 204-626-7

Classification Classification (67/548/EEC or 1999/45/EC)

Eye Irrit. 2 - H319 Xi; R36

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Methanol 5 - <10%

CAS number: 67-56-1 EC number: 200-659-6

Classification Classification (67/548/EEC or 1999/45/EC)

Flam. Liq. 2 - H225 F; R11. T; R23/24/25, R39/23/24/25

Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical

personnel.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for

breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention. Place unconscious person on their side in the recovery

position and ensure breathing can take place.

Ingestion Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if

the affected person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Keep affected person under observation. Get medical

attention.

Skin contact Wash skin thoroughly with soap and water.

Eye contact Remove any contact lenses and open eyelids wide apart. Rinse with water. Do not rub eye.

Get medical attention if any discomfort continues.

Protection of first aidersFirst aid personnel should wear appropriate protective equipment during any rescue.

4.2. Most important symptoms and effects, both acute and delayed

General information The severity of the symptoms described will vary dependent on the concentration and the

length of exposure. Possible risk of irreversible effects.

Inhalation A single exposure may cause the following adverse effects: Pain or irritation. Intoxication.

Narcotic effect. Muscle weakness. Nausea, vomiting.

Ingestion May cause discomfort if swallowed. Stomach pain. May cause nausea, headache, dizziness

and intoxication.

Skin contact This product is rapidly absorbed through the skin and may cause symptoms similar to those of

ingestion.

Eye contact Irritating to eyes. Visual disturbances, including blurred vision.

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

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder

or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Containers can burst violently or explode when heated, due to excessive pressure build-up. Flammable liquid and vapour. Vapours may be ignited by a spark, a hot surface or an ember. Vapours may form explosive mixtures with air. Fire-water run-off in sewers may create fire or explosion hazard. This product is toxic.

Hazardous combustion products

Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours. Hydrocarbons. Carbon monoxide (CO). Carbon dioxide (CO2). Alcohols.

5.3. Advice for firefighters

Protective actions during firefighting

Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Evacuate area. No smoking, sparks, flames or other sources of ignition near spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate. Promptly remove any clothing that becomes contaminated.

6.2. Environmental precautions

Environmental precautions

Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Do not allow material to enter confined spaces, due to the risk of explosion. Absorb small quantities with paper towels and evaporate in a safe place. Once evaporation is complete, place paper in a suitable waste disposal container and seal securely. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. For waste disposal, see Section 13. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Keep out of the reach of children. Keep away from heat, hot surfaces, sparks, open flames

and other ignition sources. No smoking. Keep away from food, drink and animal feeding stuffs. Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Do not handle broken packages without protective equipment. Handle all packages and containers carefully to minimise spills. Keep

container tightly sealed when not in use. Do not reuse empty containers.

Advice on general occupational hygiene

Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash

contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store locked up. Keep away from oxidising materials, heat and flames. Store in tightly-closed,

original container in a dry, cool and well-ventilated place. Keep containers upright. Protect

containers from damage.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Ethanol

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

4-Hydroxy-4-methylpentan-2-one

Long-term exposure limit (8-hour TWA): WEL 50 ppm 241 mg/m³ Short-term exposure limit (15-minute): WEL 75 ppm 362 mg/m³

Methano

Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m³ Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m³ SL

WEL = Workplace Exposure Limit Sk = Can be absorbed through the skin.

Ethanol (CAS: 64-17-5)

DNEL Consumer - Oral; Long term systemic effects: 87 mg/kg/day

Consumer - Dermal; Long term systemic effects: 206 mg/kg/day Industry - Dermal; Long term systemic effects: 343 mg/kg/day Consumer - Inhalation; Short term local effects: 950 mg/m³ Industry - Inhalation; Short term local effects: 1900 mg/m³ Consumer - Inhalation; Long term systemic effects: 114 mg/m³ Industry - Inhalation; Long term systemic effects: 950 mg/m³

PNEC - Fresh water; 0.96 mg/l

- Sediment (Freshwater); 3.6 mg/kg

Marine water; 0.79 mg/lSoil; 0.63 mg/kg

4-Hydroxy-4-methylpentan-2-one (CAS: 123-42-2)

DNEL Workers - Inhalation; Short term local effects: 240 mg/m³

Workers - Inhalation; Long term local effects: 66.4 mg/m³ Workers - Inhalation; Long term systemic effects: 66.4 mg/m³ Workers - Dermal; Long term systemic effects: 9.4 mg/kg/day Consumer - Inhalation; Short term local effects: 120 mg/m³ Consumer - Inhalation; Long term local effects: 11.8 mg/m³ Consumer - Inhalation; Long term systemic effects: 11.8 mg/m³ Consumer - Dermal; Long term systemic effects: 3.4 mg/kg/day

Consumer - Oral; Long term systemic effects: 3.4 mg/kg/day

PNEC - Fresh water; 2 mg/l

Marine water; 0.2 mg/lIntermittent release; 1 mg/l

- STP; 82 mg/l

Sediment (Freshwater); 9.06 mg/kgSediment (Marinewater); 0.91 mg/kg

- Soil; 0.63 mg/kg

8.2. Exposure controls

Protective equipment







Appropriate engineering

controls

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Wear chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear protective gloves made of the following material: Butyl rubber. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

Other skin and body protection

Wear appropriate clothing to prevent skin contamination.

Hygiene measures

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

Respiratory protection

Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.

Environmental exposure

controls

Keep container tightly sealed when not in use. Avoid release to the environment.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Viscous liquid.

Colour Various colours.

Odour Characteristic.

Odour threshold Not available.

pH Not available.

Spirit Stain

Melting point Not available.

Initial boiling point and range 78°C

Flash point 12°C

Evaporation rate Not available.

Upper/lower flammability or

explosive limits

Not available.

Vapour pressure <110 kPa @ 25°C

Vapour density Not available.

Relative density >1

Soluble in water.

Partition coefficient Not available.

Auto-ignition temperature Not available.

Decomposition Temperature Not available.

Viscosity Not applicable.

Explosive properties Not considered to be explosive.

Oxidising properties Does not meet the criteria for classification as oxidising.

9.2. Other information

Volatile organic compound This product contains a maximum VOC content of 810 g/l.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity See the other subsections of this section for further details.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable under the

prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

products

The following materials may react strongly with the product: Oxidising agents.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Containers can burst violently or explode

when heated, due to excessive pressure build-up. Static electricity and formation of sparks

must be prevented.

10.5. Incompatible materials

Materials to avoid Oxidising materials. Acids - oxidising.

10.6. Hazardous decomposition products

Hazardous decomposition

Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Spirit Stain

Acute toxicity - oral

Notes (oral LD₅₀) Acute Tox. 4 - H302 Harmful if swallowed.

ATE oral (mg/kg) 1,250.0

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

ATE dermal (mg/kg) 3,750.0

Acute toxicity - inhalation

Notes (inhalation LC50) Based on available data the classification criteria are not met.

ATE inhalation (vapours mg/l) 37.5

Skin corrosion/irritation

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

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisationBased on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisationBased on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitroBased on available data the classification criteria are not met.

Carcinogenicity

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

IARC carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as

probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity -

Based on available data the classification criteria are not met.

development

Specific target organ toxicity - single exposure

STOT - single exposure STOT SE 2 - H371 May cause damage to organs .

Specific target organ toxicity - repeated exposure

STOT - repeated exposure
Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

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

General information The severity of the symptoms described will vary dependent on the concentration and the

length of exposure.

Inhalation A single exposure may cause the following adverse effects: Pain or irritation. Intoxication.

Narcotic effect. Muscle weakness. Nausea, vomiting.

Ingestion May cause discomfort if swallowed. Stomach pain. Nausea, vomiting.

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Skin contact This product is rapidly absorbed through the skin and may cause symptoms similar to those of

ingestion.

Eye contact Irritating to eyes.

Route of entry Ingestion Inhalation Skin and/or eye contact

Target organs No specific target organs known.

SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment. However, large or frequent spills may have

hazardous effects on the environment.

12.1. Toxicity

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

12.2. Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not available.

12.4. Mobility in soil

Mobility The product is water-soluble and may spread in water systems. Volatile liquid. The product

contains organic solvents which will evaporate easily from all surfaces.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. When handling

waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be

potentially hazardous.

Disposal methodsContainers should be thoroughly emptied before disposal because of the risk of an explosion.

Dispose of waste to licensed waste disposal site in accordance with the requirements of the

local Waste Disposal Authority.

SECTION 14: Transport information

General For limited quantity packaging/limited load information, consult the relevant modal

documentation using the data shown in this section.

14.1. UN number

UN No. (ADR/RID) 1263 **UN No. (IMDG)** 1263

UN No. (ICAO) 1263 UN No. (ADN) 1263

14.2. UN proper shipping name

Proper shipping name

(ADR/RID)

PAINT

Proper shipping name

PAINT

(IMDG)

Proper shipping name (ICAO) PAINT

Proper shipping name (ADN) PAINT

14.3. Transport hazard class(es)

ADR/RID class

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

ICAO class/division 3

ADN class 3

Transport labels



14.4. Packing group

ADR/RID packing group Ш IMDG packing group Ш ADN packing group Ш ICAO packing group Ш

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

EmS F-E, S-E

ADR transport category 2

Emergency Action Code •3YE

Hazard Identification Number 33

(ADR/RID)

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

National regulations Health and Safety at Work etc. Act 1974 (as amended).

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009

No. 716).

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment

Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

EH40/2005 Workplace exposure limits.

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18

December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of

Chemicals (REACH) (as amended).

Commission Regulation (EU) No 453/2010 of 20 May 2010.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as

amended).

Dangerous Preparations Directive 1999/45/EC. Dangerous Substances Directive 67/548/EEC.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

SECTION 16: Other information

Classification procedures according to Regulation (EC)

Acute Tox. 4 - H302: STOT SE 2 - H371: Eye Irrit. 2 - H319: : Calculation method. Flam. Liq.

2 - H225: : Expert judgement.

1272/2008

Training advice Read and follow manufacturer's recommendations.

Revision comments Classification according to EC 1272/2008 (CLP).

Revision date 22/05/2015

Revision 2

Supersedes date 12/05/2014

SDS number 2863

Risk phrases in full R11 Highly flammable.

R22 Harmful if swallowed.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R36 Irritating to eyes.

R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact

with skin and if swallowed.

R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with

skin and if swallowed.

Hazard statements in full H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H370 Causes damage to organs.

H371 May cause damage to organs .

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.