

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/ 2006

Revision Date: October 2020

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY:

Trade Name:	Application:	Manufacturer/Supplier:
Roberson Stopping Out Varnish	Printmaking Auxiliary	C. Roberson & Co Ltd Unit 1, 89-91 Scrubs Lane London NW10 6QU Phone: +44 (0) 20-7272 0567 Fax: +44 (0) 20-7263 0212

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS:

White Spirit (Turpentine Substitute), Petroleum Distillates (Hydrocarbons, C9, aromatics)

Name:	CAS-NO.:	EC-NO.:	Concentration:	Classification:
Xylene	1330-20-7	215-535-7		H226; H312; H315; H332; R10; R20/21; R58
Naphta (Petrol.) Hydrotreated heavy	64742-48-9	265-150-3		H226; H304; H411; H066; H366; R10;R65;R67;R51/53
Gilsonite	12002-43-6	310-127-6		H319, H335

SECTION 3: HAZARDS IDENTIFICATION:

Classification:
(regulation (EC)
no 1272/2008)

H226 – Physical Flam. Liquid & vapour - Category 3

H304 – Health EUH066; Asp. Tox. 1

H336 – Spec target Organ Tox SE, Nervous system - Category 3

H312 – Acute Toxicity - Category 4

H315 –Skin corrosion/irritation - Category 2

H319 –Eye Irritation - Category 2

H332 – Acute Toxicity - category 4

H335 – STOT SE 3

H336 – STOT SE 3

R20/21 – Harmful(Xn)

R38 –Irritant (Xi)

Label elements:

Hazards Pictograms:



Signal Word: Danger

Hazards statements: H226 – Flammable liquid and vapour.
 H304 – May be fatal if swallowed and enters airways.
 H312 – Harmful in contact with skin.
 H315 – Causes skin irritation
 H335 – May cause respiratory irritation.
 H336 – May cause drowsiness or dizziness.
 EUH066 – Repeated exposure may cause skin dryness or cracking.
 H335 – May cause respiratory irritation.
 H336 – May cause drowsiness or dizziness.

SECTION 3: HAZARDS IDENTIFICATION (Cont.):

Precautionary statements: P210 – Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P233 – Keep container tightly closed.
 P243 – Take precautionary measures against static discharge.
 P264 – Wash . . . thoroughly after handling.
 P271 – Use only outdoors or in a well ventilated area.
 P280 – Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
 P303+P361+P353 –IF ON SKIN Remove immediately all contaminated clothing. Rinse skin with water/shower.
 P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P370+P378 –In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

SECTION 4: FIRST AID MEASURES

Description of measures:

Skin Contact: Wash off skin with warm soapy water. Remove contaminated clothing and launder regularly. Prolonged and unattended contact should be avoided. Where irritation to skin is apparent seek medical attention.

Eye Contact: Irrigate thoroughly for 15 minutes with clean running water or a boric saline eye wash bottle. Seek medical attention should eye irritation persist or become inflamed.

Ingestion: Clean out mouth with copious volumes of water and drink plenty. Do not induce vomiting. Beware of aspiration if vomiting occurs. Seek prompt medical attention and show this data sheet.

Inhalation Avoid working in a poorly ventilated, confined space. Remove to fresh air and rest. If irritation or breathing difficulties persist, seek medical attention.

SECTION 4: FIRST AID MEASURES (Cont.):

Acute & Chronic symptoms:

Skin Contact:	Prolonged or repeated contact may cause irritation and dry skin.
Eye Contact:	Burning feeling and temporary redness.
Ingestion:	Nausea, vomiting, abdominal pain.
Inhalation	Vapours inhaled in strong concentration have a narcotic effect on the central nervous system. Irritation of the respiratory tract due to excessive fumes causes headache, drowsiness or other effects to the central nervous system, loss of consciousness.
Immediate medical attention:	This will be needed to resolve the most severe risk which is through ingestion as the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious inhalation pulmonary lesions (medical survey during 48 hours).

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media:	Dry powder; Foam, CO2 – Do not use water jets.
Exposure Hazards:	Hazardous decomposition when subject to combustion – will produce noxious, irritating fumes.
Advice for firefighters:	Use approved self-contained breathing apparatus. Only use a fine water spray to cool down heat affected containers – not burning product. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions:	Ventilate area and eliminate all sources of ignition. Wear personal protective equipment recommended in section 8.
Environmental precautions:	Do not allow spill to enter drains or watercourses. Form a dam with sand, earth or a boom. Absorb, bund and scrape spillages onto sand, sawdust or absorbent granules.
Clean-Up Procedures:	Confine residues in clearly marked sealed containers for disposal in accordance with Local Authority regulations for highly flammable products – subject to special waste management controls.
References to other sections:	Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

Safe handling precautions:	Eliminate all sources of ignition. Risk of vapour concentration on the floor and in low-lying areas. Static electricity and formation of sparks must be prevented. Use explosion proof electric equipment. Wear full protective clothing for prolonged exposure and/or high concentrations. Contaminated clothing and shoes must be discarded. Contaminated rags and cloths must be put in fireproof containers for disposal. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.
Safe storage conditions:	Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Take precautionary measures against static discharges.
Incompatible materials:	Keep away from oxidisers, heat and flames. May attack some plastics, rubber and coatings.

SECTION 8: EXPOSURE / PERSONAL PROTECTION

Control parameters.

Component	Xylene
Regulatory basis:	EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical, and biological agents.
Regulatory list:	EU ELV
Value type:	Time Weighted Average (TWA)
Value:	50 ppm
Value:	221 mg/m ³
Remarks:	Indicative
Regulatory basis:	EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical, and biological agents.
Regulatory list:	EU ELV
Value type:	Short Term Exposure Limit (STEL)
Value:	100 ppm
Value:	442 mg/m ³
Remarks:	Indicative
Regulatory basis:	UK. EH40 Workplace Exposure Limits (WELs)
Regulatory list:	EH40 WEL
Value type:	Skin designation:
Remarks:	Can be absorbed through the skin.
Regulatory basis:	UK. EH40 Workplace Exposure Limits (WELs)
Regulatory list:	EH40 WEL
Value type:	Time Weighted Average (TWA)
Value:	50 ppm
Value:	220 mg/m ³
Regulatory basis:	UK. EH40 Workplace Exposure Limits (WELs)
Regulatory list:	EH40 WEL
Value type:	Short Term Exposure Limit (STEL):
Value:	100 ppm
Value:	441 mg/m ³

Exposure controls.

Engineering controls: Refer to protective measures listed in sections 7 and 8. Personal protective equipment

Respiratory protections: Advice : Use respirator with appropriate filter if vapours or aerosol are released.Recommended Filter type:A

SECTION 8: EXPOSURE / PERSONAL PROTECTION (Cont.)

Hand protection: Advice : Wear suitable gloves.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Protective gloves should be replaced at first signs of wear.
Material : fluorocarbon rubber
Gloves : >= 8 h
Glove thickness : 0.4 mm

Eye protection: Advice : Tightly fitting safety goggles

Skin and body protection: Advice : Wear suitable protective clothing.

Environmental exposure controls: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. Local authorities should be advised if significant spillages cannot be contained. If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Black
Odour:	Aromatic
Odour Threshold:	Currently we do not have any Information from our supplier about this.
pH:	Currently we do not have any Information from our supplier about this.
Freezing point:	-25 °C
Boiling point:	137 - 143 °C
Flash point:	23 °C
Evaporation rate:	Currently we do not have any Information from our supplier about this.
Flammability (solid, gas)	Currently we do not have any Information from our supplier about this.
Upper explosion limit :	7 %(V)
Lower explosion limit :	1 %(V)
Vapour pressure :	8 hPa. 20 °C
Relative density:	0.857 Kg/l
Density:	0.87 g/cm ³ . 20 °C
Water solubility:	9 g/l. 25 °C
Partition coefficient: n-octanol/ water	2.77 - 3.15
Ignition temperature:	ca. 460 °C
Thermal decomposition:	Currently we do not have any Information from our supplier about this.
Viscosity, dynamic:	0.61 mPa.s 20 °C
Explosive properties:	Currently we do not have any Information from our supplier about this.
Oxidizing properties:	Currently we do not have any Information from our supplier about this.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No information available.

Chemical stability: No decomposition if stored and applied as directed. No further information available.

Possibility of hazardous reactions Vapours may form explosive mixture with air. Incompatible with oxidizing agents.

Conditions to avoid: No information available

Incompatible materials: Strong acids. Strong oxidizing agents.

Hazardous decomposition products: None known.

SECTION 11: TOXICOLOGICAL INFORMATION

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in sections 2 and 3, to evaluate the toxicological effects of exposure to the product.

The introduction of even small quantities of this liquid into the respiratory system in case of ingestion or vomit may cause bronchopneumonia and pulmonary edema.

Acute effects: stinging eyes. Symptoms may include: rubescence, edema, pain and lachrymation. Vapour inhalation may moderately irritate the upper respiratory tract.

Contact with skin may cause slight irritation. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

Acute effects: vapour inhalation may irritate the lower and upper respiratory tract and cause cough and respiratory disorders. At higher concentrations it can also cause pulmonary edema. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

This product contains highly volatile substances, which may cause serious depression of the central nervous system (CNS) and have negative effects, such as drowsiness, dizziness, slow reflexes, narcosis.

Other relevant toxicity

Information: Danger by skin absorption.

Experiences with human exposure: Prolonged skin contact may defat the skin and produce dermatitis.

Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.

Repeated and prolonged exposure to solvents may cause brain and nervous system damage.

Acute toxicity

Oral: Value type: LD50
Value: 4,300 mg/kg
Species: rat

Inhalation: Value type : LC50
Value : 21.7 mg/l
Exposure time : 4 h
Species : rat
Remarks : These literature data deviate from the classification prescribed by the EC

Dermal: Value type : LD50
Value : 3,200 mg/kg
Species : rabbit
Remarks : These literature data deviate from the classification prescribed by the EC

Irritation: Skin: Species: Rabbit - Irritating to skin; Eyes: Species: Rabbit - Mild eye irritation.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Acute toxicity : FISH Species : Pimephales promelas
 Exposure Time : 96 h
 Value type : LC50
 Value : 26.7 mg/l
 Species : Leuciscus idus melanotus
 Exposure Time : 48 h
 Value type : LC50
 Value : 86 mg

Toxicity to daphnia and other aquatic invertebrates: Species : Daphnia magna
 Exposure time : 24 h
 Value type : EC50
 Value : 165 mg/l

Biodegradability: Readily biodegradable.

Bioaccumulation: Bioaccumulation is not expected.

SECTION 13: DISPOSAL INFORMATION

Waste treatment methods: Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated packaging : Empty remaining contents. Risk of explosion. Do not burn, or use a cutting torch on, the empty drum. Empty containers should be taken to an approved waste handling site for recycling or disposal. Dispose of as unused product. Dispose of in accordance with local regulations.

European Waste Catalogue Number: Waste codes should be assigned by the user based on the application for which the product was used

SECTION 14: TRANSPORT INFORMATION

UN number: 1307

UN proper shipping name: ADR : XYLENES
 RID : XYLENES
 IMDG : XYLENES

Transport hazard class(es): ADR-Class : 3
 (Labels; Classification Code; Hazard identification No; Tunnel restriction code):3; F1; 30;
 (D/E)
 RID-Class 3
 (Labels; Classification Code; Hazardidentification No) :3; F1; 30
 IMDG-Class 3
 (Labels; EmS):3; F-E, S-D

Packaging group: ADR : III
 RID : III
 IMDG : III

Environmental hazards: Labeling according to 5.2.1.8 ADR: no
 Labeling according to 5.2.1.8 RID: no
 Labeling according to 5.2.1.6.3 IMDG: no
 Classification as environmentally hazardous according to 2.9.3 IMDG.: no
 Classified as "P" according to 2.10 IMDG: no

SECTION 15: REGULATORY INFORMATION

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

All components are listed as existing substances in Europe

UK Regulatory References:

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations. Environmental Listing - Control of Pollution Act 1974. Control of Pollution (Special Waste Regulations) Act 1980.

Statutory Instruments:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Approved Code Of Practice Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes:

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

EU Legislation:

Dangerous Substance Directive 67/548/EEC. 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations:

Users of this product are reminded of their duties under the current Control of Substances Hazardous to Health Regulations and a suitable and sufficient assessment of all the risk should be undertaken before using this product. The guidelines given in the HSE publication COSHH ESSENTIALS - Easy Steps to Control Chemicals gives sound advice for deciding safe working control measures.

Authorisations
(Title VII Regulation 1907/2006) -

No specific authorisations are noted for this product.

Restrictions
(Title VIII Regulation 1907/2006) -

No specific restrictions of use are noted for this product.

Chemical safety assessment

A chemical safety assessment has not been carried out for this product.

SECTION 16: OTHER INFORMATION

Classification methods:

Full text of R-phrases referred to under sections 2 and 3.

R10 Flammable.
 R20/21 Harmful by inhalation and in contact with skin.
 R38 Irritating to skin.

Full text of H-Statements referred to under sections 2 and 3.

H226 Flammable liquid and vapour.
 H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H332 Harmful if inhaled.

Other information : The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship.

The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

To best of our knowledge the information contain herein is accurate. However, neither the above supplier assumes any liability whatsoever for the accuracy or completeness of the information herein

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist