

REVISION DATE: 03-2000



SAFETY DATA SHEET
GENUINE TURPENTINE

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME GENUINE TURPENTINE
 PRODUCT NO. TUGEEN
 SUPPLIER J.V. Barrett & Co. Ltd
 Barrettine Works, St Ivel Way
 Warmley
 Bristol BS30 8TY
 0117 9600060
 0117 935 2437

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
TURPENTINE, OIL	232-350-7	8006-64-2	60-100%	R10 Xn;R20/21/22,R65 R43 Xi;R36/38 N;R51,R53

The Full Text for all R-Phrases are Displayed in Section 16

3 HAZARDS IDENTIFICATION

May cause sensitisation by skin contact. Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed.
 Flammable.

CLASSIFICATION Xn;R20/21/22,R65. Xi;R36/38. R43. N;R51/53. R10.

4 FIRST-AID MEASURES

GENERAL INFORMATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INHALATION

Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Alcohol resistant foam. Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. 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.

REVISION DATE: 03-2000

GENUINE TURPENTINE

UNUSUAL FIRE & EXPLOSION HAZARDS

Vapours may form explosive mixture with air at room temperature. May explode when heated or when exposed to flames or sparks. Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.

PROTECTIVE MEASURES IN FIRE

Wear self-contained breathing apparatus and full protective clothing.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear suitable protective clothing as specified under section 8 of this safety data sheet - Exposure Controls and Personal Protection.

ENVIRONMENTAL PRECAUTIONS

Do not allow spilled material to enter drains or water courses.

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Dispose of via specialist disposal or recovery.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Provide good ventilation. Do not use in confined spaces without adequate ventilation and/or respirator. Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place. Keep in original container.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m ³	ST - ppm	ST - mg/m ³
TURPENTINE, OIL	OES	100 ppm	566 mg/m ³	150 ppm	850 mg/m ³

INGREDIENT COMMENTS

OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Occupational Exposure Limit.

HAND PROTECTION

Use protective gloves made of: Neoprene, or Nitrile, Viton rubber (fluor rubber).

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Liquid

REVISION DATE: 03-2000

GENUINE TURPENTINE

COLOUR	Colourless		
ODOUR	Turpentine.		
SOLUBILITY	Immiscible with water Soluble in Chloroform Organic solvents.		
BOILING POINT (°C)	157	MELTING POINT (°C)	-50 to -60
RELATIVE DENSITY	860 - 872 @ 20 °c	VAPOUR DENSITY (air=1)	4.84
EVAPORATION RATE	0.4 BuAc=1	VOLATILE BY VOL. (%)	97.5
FLASH POINT (°C)	35 CC (Closed cup).	AUTO IGNITION TEMPERATURE (°C)	253
FLAMMABILITY LIMIT - LOWER(%)	0.8	FLAMMABILITY LIMIT - UPPER(%)	6.0

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with acids and oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 5760 mg/kg (oral rat)

INHALATION

Harmful by inhalation. Prolonged inhalation of high concentrations may damage respiratory system. Exposure to organic solvent vapours in excess of the stated occupational exposure limit may result in adverse effects such as irritation of the mucous membrane and the respiratory system and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

INGESTION

Harmful if swallowed. Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Diarrhoea. Headache. Central nervous system depression. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

SKIN CONTACT

Harmful in contact with skin. Prolonged or repeated exposure may cause severe irritation. Prolonged or repeated skin contact with the product may cause removal of natural fats from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

EYE CONTACT

May cause severe irritation to eyes.

ROUTE OF ENTRY

Skin absorption. Inhalation. Ingestion.

TARGET ORGANS

Skin. Eyes. Respiratory system, lungs.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

DEGRADABILITY

Not thought to be readily biodegradable

ACUTE FISH TOXICITY

Fish toxicity reported at doses of 100 ppm - species or time period not reported.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Contaminated packing should be disposed of as Special Waste, as above, according to local authority guidelines. Washed and decontaminated packing may be disposed of as Controlled waste.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

GENUINE TURPENTINE



UK ROAD CLASS	3	UN NO. ROAD	1299
PROPER SHIPPING NAME	TURPENTINE	ADR CLASS NO.	3
14 TRANSPORT INFORMATION		ADR PACK GROUP	31(c)
UK ROAD PACK GR.	III	ADR LABEL NO.	3
ADR CLASS	Class 3: Flammable liquids.	CEPIC TEC(R) NO.	30G35
HAZARD No. (ADR)	30	RID PACK GROUP	31(c)
HAZCHEM CODE	3Y	IMDG CLASS	3
RID CLASS NO.	3	IMDG PACK GR.	III
UN NO. SEA	1299	MFAG	See Guide
IMDG PAGE NO.	3379	UN NO. AIR	1299
EMS	3-07		
MARINE POLLUTANT	Yes.		



ICAO CLASS	3	AIR PACK GR.	III
------------	---	--------------	-----

15 REGULATORY INFORMATION

LABELLING



Harmful



Dangerous for the environment

CONTAINS

TURPENTINE, OIL

RISK PHRASES

R10	Flammable.
R43	May cause sensitisation by skin contact.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R36/38	Irritating to eyes and skin.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

SAFETY PHRASES

S2	Keep out of the reach of children
S13	Keep away from food, drink and animal feeding stuffs.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S46	If swallowed, seek medical advice immediately and show this container or label.
S51	Use only in well-ventilated areas.
S24/25	Avoid contact with skin and eyes.
S36/37	Wear suitable protective clothing and gloves.

REVISION DATE: 03-2000

GENUINE TURPENTINE

S23/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
S6 Avoid release to the environment. Refer to special instructions/safety data sheets.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

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

16 OTHER INFORMATION

INFORMATION SOURCES

Dangerous Properties of Industrial Materials Report, N.Sax et.al.

REVISION DATE 03-2000

REV. NO./REPL. SDS GENERATED 1-16

SDS NO. 0001

RISK PHRASES IN FULL

R10 Flammable.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R38/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.