

MSDS- Voga Coal-Tar

PAGE 1/6

VOGEL SYSTEMS Safety data sheet

Date / Revised: 19.09.2022

Version: 1.0

Product: **MSDS- Voga Coal-Tar**

Date of print 20.09.2022

1. Identification

Product identifier

Voga Coal-Tar

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

Relevant identified uses: Product for construction chemicals Recommended use: for industrial and professional users

Details of the supplier of the safety data sheet

E-mail address: info@vogel-systems.de

Emergency telephone number

International emergency number

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKINGProduct identifierProduct name **Voga Coal-Tar****2. Relevant identified uses of the substance or mixture and uses advised against**Identified uses : **Heavy duty coal tar based epoxy protective coating for concrete****3. Details of the supplier of the safety data sheet**Supplier

Company name : Vogel co.

E-mail address: info@vogel-systems.de**2 COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENT NAME	EINECS No.	CASNo.	CONTENTS	SYMBOL	RISK (R No.)
EPOXY RESIN (Number average MW <= 700)	500-033-5	25068-38-6	10-30 %	Xi, N	36/38, 43, 51/53, 51/53
XYLENE	215-535-7	1330-20-7	10-30 %	Xn	10, 20/21, 38
ISOBUTANOL	201-148-0	78-83-1	1-5 %	Xi	10, 37/38, 41, 67
METHANOL	200-659-6	67-56-1	0-1 %	F, T	11, 23/24/25, 39/23/24/25
BUTANONE	201-159-0	78-93-3	1-5 %	F, Xi	11, 36, 66, 67
BENZ[A]ANTHRACENE	200-280-6	56-55-3	0-1 %	T, N	45, 50/53, 50/53
BENZO(K)FLUORANTHENE	205-916-6	207-08-9	0-1 %	T, N	45, 50/53, 50/53
BENZO[a]PYRENE	200-028-5	50-32-8	0-1 %	T, N	45, 46, 60, 61, 50/53, 50/53
DIBENZ[a,h]ANTHRACENE	200-181-8	53-70-3	0-1 %	T, N	45, 50/53, 50/53
METHYL ISOBUTYL KETONE	203-550-1	108-10-1	1-5 %	F, Xn	11, 20, 36/37, 66

The full text for all R-phrases are shown in section 16.

3 HAZARDS IDENTIFICATION

Flammable.

Harmful by inhalation and in contact with skin.

Irritating to eyes and skin.

May cause sensitisation by skin contact.

May cause cancer.

May cause heritable genetic damage.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Carcinogen Category 2.

Mutagen Category 2.

4 FIRST AID MEASURES

INHALATION:	Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.
INGESTION:	Get medical attention immediately! Rinse mouth thoroughly. Provide rest, warmth and fresh air. DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!
SKIN:	Remove affected person from source of contamination. Get medical attention if any discomfort continues.
EYES:	Remove victim immediately from source of exposure. 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: Carbon dioxide (CO ₂). Alcohol resistant foam. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.
UNUSUAL FIRE & EXPLOSION HAZARDS:	May develop highly toxic or corrosive fumes if heated. Vapours are heavier than air and may spread near ground to sources of ignition.

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEANUP METHODS:	Clean-up personnel should use respiratory and/or liquid contact protection. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.
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7 HANDLING AND STORAGE

USAGE PRECAUTIONS:	Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Skin contact should be avoided preferably by use of a closed system. Where this is not possible, protective clothing, gloves and face shields should be used to protect bare skin. The HSE guidance leaflet skin cancer caused by pitch and tar should be issued to all employees. High standards of skin care and personal hygiene should be exercised at all times. Medical advice should be sought without delay if warts appear. Skin exposure combined with exposure to sunlight or UV radiation may result in redness. The accumulation of contaminated rags and of dry overspray, particularly in spray booth filters, may result in spontaneous combustion. Good housekeeping standards, regular safe removal of waste materials and regular maintenance of spray booth filters will minimise the risks of spontaneous combustion and other fire hazards.
STORAGE PRECAUTIONS:	Keep in cool, dry, ventilated storage and closed containers.
STORAGE CRITERIA:	Flammable liquid storage.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME	CAS No	STD	LT EXP (8 hrs)	ST EXP (15 min)
XYLENE	1330-20-7	OES	50 ppm(Sk)	100 ppm(Sk)
ISOBUTANOL	78-83-1	OES	50 ppm	75 ppm
METHANOL	67-56-1	OES	200 ppm(Sk)	250 ppm(Sk)
BUTANONE	78-93-3	OES	200 ppm(Sk)	300 ppm(Sk)
BENZ[A]ANTHRACENE	56-55-3		No std.	No std.
BENZO[a]PYRENE	50-32-8		No std.	No std.

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INGREDIENT COMMENTS:

OES = Occupational Exposure Standard.

**PROTECTIVE EQUIPMENT:****RESPIRATORS:**

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

PROTECTIVE GLOVES:

Use protective gloves made of: Polyvinyl alcohol (PVA). Viton rubber (fluor rubber).

OTHER PROTECTION:

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

HYGIENIC WORK ROUTINES:Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. No eating or drinking while working with this material. **DO NOT SMOKE IN WORK AREA!****9 PHYSICAL AND CHEMICAL PROPERTIES****APPEARANCE:**

Liquid.

COLOUR:

Black.

ODOUR/TASTE:

Characteristic.

SOLUBILITY DESCRIPTION:

Immiscible with water.

SPECIFIC GRAVITY (Water=1):

~1.31 @ 20 °C

10 STABILITY AND REACTIVITY**CONDITIONS TO AVOID:**

Avoid heat, flames and other sources of ignition.

MATERIALS TO AVOID:

Strong oxidizing agents. Strong acids. Strong alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS:Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).**11 TOXICOLOGICAL INFORMATION****TOXICOLOGICAL INFORMATION:**

Based on the properties of the epoxy constituents and considering toxicological data on similar preparations, this preparation may be a skin sensitizer and an irritant. It contains low molecular epoxy constituents which are irritating to eyes, mucous membrane and skin. Repeated skin contact may lead to irritation and to sensitisation, possibly with cross-sensitisation to other epoxies.

HEALTH WARNINGS:

Skin contact with the preparation and exposure to spray mist and vapour should be avoided. Preparation contains an epoxy resin, which may cause sensitisation and development of allergy.

ROUTE OF ENTRY:Prolonged or repeated contact with the skin can lead to the development of warts. These can take various forms. A few are potentially cancerous. Medical advice should be sought without delay if warts or photo-toxic erythema effects (redness and burning of the skin) occur.
Inhalation.
Ingestion. Skin absorption.**12 ECOLOGICAL INFORMATION****BIO ACCUMULATION:**

Not known.

DEGRADABILITY:

This substance is not readily degradable.

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS:**

Recover and reclaim or recycle, if practical. Dispose of in accordance with Local Authority requirements.

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14 TRANSPORT INFORMATION**LABEL FOR CONVEYANCE:**

ROAD:			
UNNo:	1263		
HAZARD CLASS(ADR):	Class 3: Flammable liquids.	ADR CLASSNo:	3
ADR ITEM No:	31(c)	HAZARD No.(ADR):	30
MARGINAL:	2301	ADR LABEL No:	3
HAZCHEM CODE:	30G80	CEFIC TEC(R)No:	30G36
PROPER SHIPPING NAMEI:	PAINT or PAINT RELATED MATERIAL		
RAIL:			
RAIL TRANSPORT CLASSNo:	3	RAILROAD PT:	31(c)
SEA:			
UNSEA:	1263	SEA TRANSPORTCLASS No:	3.3
IMDG Page No:	3372	SEA PACK GR:	III
EmS No.:	3-05	MFAG TableNo:	310 or 313
MARINE POLLUTANT:	No.		
AIR:			
UNAIR:	1263	AIR TRANSPORT CLASSNo:	3
AIR SUB CLASS:	---	AIR PACK GR:	II

15 REGULATORY INFORMATION**LABEL FOR SUPPLY:****TOXIC****DANGEROUS FOR THE ENVIRONMENT**

RISK PHRASES:	R-10 R-20/21 R-36/38 R-43 R-45 R-46 R-51/53	Flammable. Harmful by inhalation and in contact with skin. Irritating to eyes and skin. May cause sensitisation by skin contact. May cause cancer. May cause heritable genetic damage. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
SAFETY PHRASES:	P-11 P-5 S-23 S-24/25 S-26 S-36/37 S-38 S-45 S-53	Restricted to professional users. Contains epoxy constituents. See information supplied by the manufacturer. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing and gloves. In case of insufficient ventilation, wear suitable respiratory equipment. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Avoid exposure - obtain special instructions before use.

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UK REGULATORY REFERENCES:	Petroleum (Consolidation) Act, as amended 1984 SI 1244. Highly Flammable Liquid Regulations 1972.
UK ENVIRONMENTAL LISTINGS:	Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980.
EC DIRECTIVES:	System of specific information relating to Dangerous Preparations. 91\155.
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

USER NOTES:	Revised in accordance with CHIP 3
INFORMATION SOURCES:	Dangerous Properties of Industrial Materials Report, N.Sax et.al.

REVISION No. /REPLACES SDS ISSUED:

SDS No.:	Replaces SDS dated 03/2000	
R-PHRASES (Full Text):	10214	
	R-10	Flammable.
	R-11	Highly flammable.
	R-20	Harmful by inhalation.
	R-36	Irritating to eyes.
	R-38	Irritating to skin.
	R-41	Risk of serious damage to eyes.
	R-43	May cause sensitisation by skin contact.
	R-45	May cause cancer.
	R-46	May cause heritable genetic damage.
	R-20/21	Harmful by inhalation and in contact with skin.
	R-23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
	R-36/37	Irritating to eyes and respiratory system.
	R-36/38	Irritating to eyes and skin.
	R-37/38	Irritating to respiratory system and skin.
	R-39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
	R-60	May impair fertility.
	R-61	May cause harm to the unborn child.
	R-50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R-51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R-66	Repeated exposure may cause skin dryness or cracking.
	R-67	Vapours may cause drowsiness and dizziness.