

According to directive 1907/2006/EC, 2020/878
Version 3.1 Revision date: 19-09-2024
Trade name: Dammar resin

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

1.1 Product identification:

Product name: Dammar resin
Registration number (REACH): The substance is not subject to registration in accordance with Regulation (EC) No 1907/2006 [REACH].
EC no: 232-528-4
CAS no: 9000-16-2

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

Relevant identified uses: Laboratory chemicals
Analytical and laboratory applications
Uses advised against: Not to be used for products in contact with food.
Not to be used for private purposes (household).

1.3 Details of the supplier of the safety data sheet:

Responsible distributor : ASSYST bvba / A.S.O.W. bvba
Hellegatstraat 13a
2590 Berlaar
Belgium
Tel: +32 495 50 61 14 / +32 496 83 70 27
Website: www.assyst.org / www.artsuppliesonweb.com
Email: ao@assyst.org / vera.opsommer@assyst.org

1.4 Emergency phone number:

For Belgium: Call the **Poison Control Centre (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.
NHS 24 Direct For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

Classification according to directive (EC) No 1272/2008 and its amendments.

This substance does not meet the criteria for classification according to Regulation No 1272/2008/EC.

2.2 Labelling elements:

Labelling according to regulation (EC) No 1272/2008 [CLP/GHS]:

Not required.

2.3 Other hazards:

Results of PBT and vPvB assessment

The results of the assessment of the substance show that it is not a PBT or vPvB substance.

Endocrine-disrupting properties

Contains no endocrine disruptor (ED) at a concentration of $\geq 0.1\%$.

SECTION 3: Composition and information on ingredients

3.1 Substances:

Substance name (synonyms):	Product identification	%	Classification according to Regulation (EC) No 1272/2008]
Dammar C	CAS No 9000-16-2	$\leq 100\%$	-

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	EC No 232-528-4		
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SECTION 4: First aid measures

4.1 Description of first-aid measures:

General comments:

Remove contaminated clothing.

By inhalation:

Provide fresh air.

On skin contact:

Rinse/shower skin with water.

On eye contact:

Rinse gently with water for several minutes.

If swallowed:

Rinsing the mouth.

If you feel unwell, consult a doctor.

4.2 Main acute and delayed symptoms and effects:

No symptoms and effects are known so far.

4.3 Indication of immediate medical attention and special treatment required:

No data available

SECTION 5: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing agents:

Match fire-fighting measures to environment.

Water, foam, dry extinguishing powder, ABC powder.

Unsuitable extinguishing media:

Full water jet.

5.2 Special hazards arising from the substance or mixture:

Flammable.

Hazardous combustion products:

Carbon monoxide (CO), Carbon dioxide (CO₂), Can produce toxic carbon monoxide fumes in case of fire.

5.3 Advice for firefighters:

In case of fire and/or explosion, avoid breathing fumes.

With normal precautions, extinguish from a reasonable distance.

Wear self-contained breathing apparatus.

SECTION 6: Measures in case of accidental release of the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures:

For persons other than emergency services:

Combating dust formation.

6.2 Environmental precautions:

Avoid getting the product into drains, surface water or groundwater.

Retain and remove contaminated wash water.

6.3 Methods and materials for containment and cleaning:

Advice on how to contain the spill:

Covering drains.

Mechanical recording.

Advice on how to clean up the spill:

Mechanical recording.

Other information relating to discharge or release:

Put into suitable retainers for disposal.

Ventilate the affected area.

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6.4 Reference to other sections:

Hazardous combustion products: see section 5.
Personal protective equipment: see section 8.
Incompatible materials: see section 10.
Instructions for disposal: see section 13.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling of the substance or mixture:

Measures for adequate ventilation.

Advice on general occupational hygiene:

Keep away from food, drink and animal feed.

7.2 Conditions for safe storage, including incompatibilities:

Store in a dry place.

Incompatible substances or mixtures:

Note advice for chemical storage.

Incompatible materials: see section 10.

Consideration of other advice:

Ventilation requirements

Use of local and general ventilation.

Recommended storage temperature:

15 - 25°C

7.3 Specific end use:

No information is available.

SECTION 8: Exposure controls/personal protection measures

8.1 Control parameters:

National limits

Occupational exposure limits (occupational exposure limits):

Country	Substance name	CAS No.	Identification	TGG 8 hours [mg/m ³]	TGG 15 min [mg/m ³]	CW [mg/m ³]	Notation	Source
BE	particles not elsewhere classified		VL/VCD	10			i	Belgian Official Journal
BE	particles not elsewhere classified		VL/VCD	3			r	Belgian Official Journal

Notation

CW: Ceiling value is a limit value that must not be exceeded (ceiling value)
i: Inhalable fraction
r: Respirable fraction
TGG 15 min: Short-time value (short-term exposure limit value): limit value that should not be exceeded and which applies, for a period of 15 minutes (unless otherwise stated)
TGG 8 hours: Time-weighted average (long-term exposure limit): measured or calculated from an eight-hour reference period (unless otherwise stated)

8.2 Exposure control measures:

Individual protection measures (personal protective equipment)

Eye/face protection:

Wear safety goggles with side protection.

Skin protection:

Hand protection

Wear suitable gloves.

Suitable are EN 374-tested gloves against chemicals.

Type of material:

NBR (nitrile rubber)

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Material thickness:

>0.11 mm

Breakthrough time of glove material:

>480 minutes (permeation level: 6)

Other protective equipment:

Insert rest periods for skin regeneration.

Preventive skin protection (skin-protective creams) is recommended.

Respiratory protection:

Respiratory protection is necessary in case of: Dust generation.

Particle filter (EN 143).

P1 (filters at least 80% of air particles, colour code: white).

Managing environmental exposure:

Avoid getting the product into drains, surface water or groundwater.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical state:	solid
Colour:	light yellow / clear
Odour:	odourless
Melting/freezing point:	150°C
Boiling point or initial boiling point and boiling range:	undetermined
Flammability:	this material is flammable, but will not easily catch fire
Lower and upper explosion limit:	irrelevant (solid)
Flash point:	not applicable
Self-ignition temperature:	undetermined
Decomposition temperature:	irrelevant
pH value:	not applicable
Kinematic viscosity:	irrelevant

Solubility(s)

Solubility in water: undetermined

Partition coefficient

Partition coefficient n-octanol/water (log value): this information is not available

Vapour pressure: not determined

Density and/or relative density

Density: 1.04-1.12 g/cm³

Relative vapour density: No information is available with this property.

Particle characteristics: No data available.

Other safety parameters

Oxidising properties: no

9.2 Other information

Information on physical hazard classes: hazard classes in accordance with GHS
(physical hazards): not relevant

Other safety features:

Refractive index: 1.5.

SECTION 10: Stability and reactivity

10.1 Reactivity:

The product in its delivered form is not capable of causing a dust explosion, however the enrichment of fine dust leads to a dust explosion hazard.

10.2 Chemical Stability:

The material is stable under normal atmospheric conditions and expected temperature and pressure during storage and handling.

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10.3 Potential Hazardous Reactions:

Violent reaction with: strongly oxidising.

10.4 Conditions to avoid:

No specific conditions are known to be avoided.

10.5 Chemically interacting Materials:

There is no further information.

10.6 Hazardous Decomposition Products:

Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Classification according to GHS (1272/2008/EC, CLP)

This substance does not meet the criteria for classification according to Regulation No 1272/2008/EC.

Acute toxicity:

Is not classifiable as acutely toxic.

Skin corrosion/irritation:

Is not classifiable as corrosive/irritating to the skin.

Serious eye damage/eye irritation:

Cannot be classified as severely eye-injurious or irritating to the eyes.

Respiratory or skin sensitisation:

Is not classifiable as inhalant or skin allergenic.

Mutagenicity in gametes:

Is not classifiable as mutagenic in germ cells (mutagenic).

Carcinogenicity:

Is not classifiable as carcinogenic.

Reproductive toxicity:

Is not classifiable as a reproductive toxicant.

Specific target organ toxicity at single exposure:

Cannot be classified as toxic to specific target organs (single exposure).

Specific target organ toxicity on repeated exposure:

Cannot be classified as toxic to specific target organs (repeated exposure).

Inhalation hazard:

Is not classifiable as dangerous in aspiration.

Symptoms related to physical, chemical and toxicological properties:

- After swallowing:

No data are available.

- In case of contact with eyes:

No data are available.

- After inhalation:

No data are available.

- On contact with skin:

No data are available.

- Other information:

Health effects are not known.

11.2 Endocrine disrupting properties

Contains no endocrine disruptor (ED) at a concentration of $\geq 0.1\%$.

11.3 Information on other hazards

There is no further information.

SECTION 12: Ecological information

12.1 Toxicity:

Cannot be classified as hazardous to the aquatic environment.

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12.2 Persistence and Degradability:

No data are available.

12.3 Bioaccumulation:

No data are available.

12.4 Mobility in soil:

No data are available.

12.5 Results of PBT and vPvB assessment:

No data are available.

12.6 Endocrine disrupting properties

Contains no endocrine disruptor (ED) at a concentration of $\geq 0.1\%$.

12.7 Other adverse effects

No data are available.

SECTION 13: Disposal instructions

13.1 Waste treatment methods:

For waste disposal, contact the responsible authorised waste disposal company.

Information regarding wastewater discharge:

Do not throw waste in the sink.

Waste treatment of containers/packaging

Contaminated packaging can be treated like the substance itself.

Fully emptied containers can be recycled.

Relevant provisions on waste prevention

The allocation of waste key numbers/waste markings should be industry- and process-specific in accordance with AVV.

Notes:

Waste is separated into the categories that can be treated separately by local or national waste management services.

Please note the relevant national or regional provisions.

Uncontaminated and completely empty containers can be used again.

SECTION 14: Information relating to transport

14.1 UN number

Not regulated as a hazardous substance

14.2 Proper cargo name according to UN model regulations

Not regulated as a hazardous substance

14.3 Transport hazard class(es)

Not regulated as a hazardous substance

14.4 Packing group

Remarks : IMDG Code segregation group - none

Not regulated as a hazardous substance

14.5 Environmental hazards

Not regulated as a hazardous substance

14.6 Special precautions for the user

Not applicable

14.7 Transport in bulk in accordance with Annex II to MARPOL 73/78 and the IBC Code

Not applicable for product, as delivered.

14.8 Information for each of the UN regulations

Transport of dangerous goods by road, rail or inland waterway (ADR/RID/ADN) - Additional information:

Not subject to ADR, RID and ADN.

International Maritime Dangerous Goods Code (IMDG) - Additional information:

Not subject to the IMDG.

International Civil Aviation Organisation (ICAO-IATA/DGR) - Additional information:

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Not subject to ICAO-IATA.

SECTION 15: Statutory information

15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture:

Relevant European Union (EU) provisions

Restrictions in accordance with REACH, Annex XVII:

not listed

List of substances subject to authorisation (REACH, Annex XIV)/SVHC - candidate list:

Not stated.

Seveso Directive

2012/18/EU (Seveso III):

Not granted.

Decopaint Directive:

VOC content 0 %

Directive on industrial emissions (IE Directive)

VOC content 0 %

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS):

Not stated.

Regulation on the establishment of a European Pollutant Release and Transfer Register (PRTR):

Not stated.

Water Framework Directive (WFD):

Not stated.

Regulation on the marketing and use of explosives precursors:

Not stated.

Regulation on drug precursors:

Not stated.

Regulation on ozone-depleting substances:

Not stated.

Regulation on the Import and Export of Dangerous Chemicals (PIC):

Not stated.

Regulation on persistent organic pollutants (POPs):

Not stated.

Other information:

Directive 94/33/EC on the protection of young people at work.

Observe work restrictions in accordance with the Pregnancy Directive (92/85/EEC) for expectant or nursing mothers.

National inventories

Country	List	Status
AU	AIIC	Fabric is mentioned
CA	DSL	Fabric is mentioned
CN	IECSC	Fabric is mentioned
EU	ECSI	Fabric is mentioned
KR	KECI	Fabric is mentioned
MX	INSQ	Fabric is mentioned
NZ	NZIoC	Fabric is mentioned
PH	PICCS	Fabric is mentioned
TW	TCSI	Fabric is mentioned
US	TSCA	substance is listed (ACTIVE)
UN	NCI	Fabric is mentioned

Legend

AIIC: Australian Inventory of Industrial Chemicals
DSL: Domestic Substances List (DSL)
ECSI: EC inventory (EINECS, ELINCS, NLP)

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IECSC: Inventory of Existing Chemical Substances Produced or Imported in China
INSQ: National Inventory of Chemical Substances
KECI: Korea Existing Chemicals Inventory
NCI: National Chemical Inventory
NZIoC: New Zealand Inventory of Chemicals
PICCS: Philippine Inventory of Chemicals and Chemical Substances (PICCS)
TCSI: Taiwan Chemical Substance Inventory
TSCA: Toxic Substance Control Act

15.2 Chemical safety assessment:

No chemical safety assessment has been carried out for this substance.

SECTION 16: Other information

Indication of changes (revised safety data sheet)

Heading 2.3 Endocrine-disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0.1\%$.
Heading 15.1 National inventories: change in listing (table)

Abbreviations and acronyms:

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road (ADR Agreement); AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Association for the Testing of Materials; bw - Body Weight; CLP - Regulation on Classification, Labelling and Packaging; Regulation (EC) No 1272/2008; CMR - Carcinogenic, mutagenic or toxic to reproduction; DIN - Standard of the German Institute for Standardisation; DSL - List of substances used indoors (Canada); ECHA - European Chemicals Agency; EC-Number - EINECS number; ECx - Concentration associated with x% response; ELx - Charge capacity associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemicals (Japan); ErCx - Concentration associated with x% growth response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - IMO International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC50 - Half-Maximum Inhibitory Concentration; ICAO - International Civil Aviation Organisation; IECSC - Inventory List of Existing Chemicals in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korean Inventory of Existing Chemicals; LC50 - Lethal concentration for 50% of a test population; LD50 - Lethal dose for 50% of a test population (lethal dose median); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not otherwise specified; NO(A)EC - No discernible (negative) effect on concentration; NO(A)EL - No discernible (negative) effect on Level; NOELR - No discernible effect on cargo capacity; NZIoC - New Zealand inventory of chemicals; OECD - Organisation for Economic Co-operation and Development OECD; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, bioaccumulative and toxic substance; PICCS - Philippine inventory of chemicals and chemical substances; (Q)SAR - (Quantitative) structure-activity relationships; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH); RID - Regulations concerning the International Carriage of Dangerous Goods by Rail (RID); SADT - Self-accelerating decomposition temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwanese Inventory of Chemical Substances; TECL - Inventory of Chemical Substances Existing in Thailand; TRGS - Technical Regulation on Hazardous Substances; TSCA - Toxic Substances Control Act (USA); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Key literature references and data sources:

Regulation (EC) No 1272/2008 on classification, labelling and packaging (CLP) of substances and mixtures.
Regulation (EC) No 1907/2006 (REACH), amended by 2020/878/EU.
Transport of dangerous goods by road, rail or inland waterways (ADR/RID/ADN).
International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for aviation (IATA).

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Disclaimer

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This safety data sheet is compiled and intended exclusively for this product.