

Safety Data Sheet

Kramp synthetic resin paint

Replaces date: 27/03/2023

Revision date: 14/03/2024
Version: 4.0.0

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

1.1. Product identifier

Trade name: Kramp synthetic resin paint

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

Recommended uses: Varnish

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Kramp UK Ltd
Address: Unit 5
Lancaster Way
Zip code: SG18 8YL
City: Biggleswade
Country: UNITED KINGDOM
E-mail: sales.uk@kramp.com
Phone: +44(0)1767 602 600

1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24)).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Flam. Liq. 3;H226
Skin Sens. 1;H317
STOT SE 3;H336

Most serious harmful effects: Flammable liquid and vapour. May cause an allergic skin reaction. May cause drowsiness or dizziness. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. Prolonged or repeated exposure by skin contact or inhalation of vapours may cause damage to the central nervous system. Can be absorbed through the skin causing symptoms such as dizziness and headache.

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2.2. Label elements

Pictograms



Signal word: Warning

Contains

Substance: Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics; Xylene; 2-methoxy-1-methylethyl acetate; 1-methoxy-2-propanol; n-butyl acetate; Cobalt bis(2-ethylhexanoate);

Hazard statements

H226 Flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+361+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P501 Dispose of contents/container in accordance with local regulation.

Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.
EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3. Other hazards

Assessment to determine PBT and vPvB has not been made.
Endocrine disrupting properties: None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No./ EC No./ UK-REACH Reg. No.	Concentration	Notes	CLP-classification
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	919-857-5	10 - 25 %		Flam. Liq. 3;H226 Asp. Tox. 1;H304 STOT SE 3;H336 EUH066
Xylene	1330-20-7 215-535-7	5 -< 10 %		Flam. Liq. 3;H226 Asp. Tox. 1;H304 Acute Tox. 4;H312 Skin Irrit. 2;H315 Eye Irrit. 2;H319 Acute Tox. 4;H332 STOT SE 3;H335 STOT RE 2;H373

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2-methoxy-1-methylethyl acetate	108-65-6 203-603-9	2.5 -< 10 %		Flam. Liq. 3;H226 STOT SE 3;H336
1-methoxy-2-propanol	107-98-2 203-539-1	2.5 -< 10 %		Flam. Liq. 3;H226 STOT SE 3;H336
n-butyl acetate	123-86-4 204-658-1	1 -< 2.5 %		Flam. Liq. 3;H226 STOT SE 3;H336 EUH066
2-butoxyethyl acetate	112-07-2 203-933-3	1 -< 2.5 %		Acute Tox. 4;H302 Acute Tox. 4;H312 Acute Tox. 4;H332
ethylbenzene	100-41-4 202-849-4	< 2.5 %		Flam. Liq. 2;H225 Asp. Tox. 1;H304 Skin Irrit. 2;H315 Eye Irrit. 2;H319 Acute Tox. 4;H332 STOT RE 2;H373 Aquatic Chronic 3;H412
Hexanoic acid, 2-ethyl-, zinc salt, basic	85203-81-2 286-272-3	< 1 %		Eye Irrit. 2;H319 Repr. 2;H361d Aquatic Chronic 3;H412
Bariumbis(2-ethylhexanoat)	2457-01-4 219-535-8	< 1 %		Acute Tox. 4;H302 Eye Dam. 1;H318 Acute Tox. 4;H332 Repr. 2;H361d
Zirconium salt of 2-ethylhexanoic acid	22464-99-9 245-018-1	< 1 %		Repr. 2;H361d
Cobalt bis(2-ethylhexanoate)	136-52-7 205-250-6	0.1 -< 0.25 %		Skin Sens. 1A;H317 Eye Irrit. 2;H319 Repr. 1B;H360D Aquatic Acute 1;H400 Aquatic Chronic 3;H412 LD50 (Acute toxicity - oral): 3129 mg/kg bw LD50 (Acute toxicity - dermal): > 2000 mg/kg bw

Please see section 16 for the full text of H- / EUH-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Seek fresh air. Seek medical advice in case of persistent discomfort.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
Skin contact:	Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
Eye contact:	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
Burns:	Flush with water until pain ceases. Remove clothing that is not stuck to the skin - seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.
General:	When obtaining medical advice, show the safety data sheet or label.

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

The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. Prolonged or repeated exposure by skin contact or inhalation of vapours may cause damage to the central nervous system. May cause slight irritation to the skin and eyes. May cause sensitisation by skin contact. Symptoms include reddening, swelling, blistering and ulceration - often slowly developing. Can be absorbed through the skin causing symptoms such as dizziness and headache.

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

Treat symptoms. No special immediate treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, foam or water mist. Use water or water mist to cool non-ignited stock.

Unsuitable extinguishing media: Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

5.3. Advice for firefighters

Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stay upwind/keep distance from source. Stop leak if this can be done without risk. Keep unnecessary personnel away. Wear safety goggles if there is a risk of eye splash. Wear gloves. Wear respiratory protective equipment. Provide adequate ventilation. Smoking and naked flames prohibited.

For emergency responders: In addition to the above: Protective suit equivalent to EN 368, type 3, is recommended.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use the product under well-ventilated conditions. Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work. Smoking and naked flames prohibited. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Keep in tightly closed original packaging. Do not expose to heat (e.g. sunlight).

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7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

Substance name	Time period	ppm	mg/m ³	fiber/cm ³	Remarks	Comments
Titanium dioxide	8h		10		Total inhalable dust	
Titanium dioxide	8h		4		respirable dust	
Titanium dioxide	15m				Total inhalable dust	
Titanium dioxide	15m				respirable dust	
2-methoxy-1-methylethyl acetate	8h	50	274			Sk
2-methoxy-1-methylethyl acetate	15m	100	548			Sk
2-butoxyethyl acetate	8h	20	133			Sk
2-butoxyethyl acetate	15m	50	332			Sk
n-butyl acetate	8h	150	724			
n-butyl acetate	15m	200	966			
1-methoxy-2-propanol	15m	150	560			Sk
1-methoxy-2-propanol	8h	100	375			Sk
ethylbenzene	8h	100	441			Sk
ethylbenzene	15m	125	552			Sk
xylene	15m	100	441			BMGV
xylene	8h	50	220			BMGV

BMGV = Biological monitoring guidance value (listed in Table 2).

Sk = Can be absorbed through the skin.

Measuring methods:

Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

Legal basis:

EH40/2005 Workplace exposure limits. Last amended January 2020.

8.2. Exposure controls

Appropriate engineering controls:

Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection:

Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 166/16321.

Personal protective equipment, hand protection:

Wear gloves. Type of material: Nitrile rubber. Breakthrough time has not been determined for the product. Change gloves often. Gloves must conform to EN 374. The suitability and durability of a glove is dependant on usage, e.g. frequency and duration

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of contact, glove material thickness, functionality and chemical resistance. Always seek advice from the glove supplier.

Personal protective equipment, respiratory protection: Light use (small volume, shortterm contact (below 10 min.)): Wear respiratory protective equipment. Filter type: A.
Medium use (medium volume, medium contact (1-2 hours)): Wear fresh air respiratory protective equipment. Respiratory protection must conform to one of the following standards: EN 136/140/145.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid
Colour	Different
Odour	Characteristic
Solubility	Not miscible with the following: Water.

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	137 - 143 °C	
Flammability (solid, gas)	No data	
Flammability limits	315 °C	(DIN 51794)
Explosion limits	0.6 - 8.0 vol%	
Flash Point	29 °C	DIN 53213
Auto-ignition temperature		Not spontaneously flammable
Decomposition temperature:	No data	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	170 - 180 s	20 °C. (DIN 53211/4)
Viscosity	No data	
Partition coefficient n-octanol/water	No data	
Vapour pressure	6.7 - 8.2 hPa	20 °C.
Density	1.022 g/cm ³	20 °C. (DIN 53217)
Relative density	No data	
Relative vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Parameter	Value/unit	Remarks
Explosive properties		Non-explosive Vapours may form explosive mixtures with air.
VOC	45,32 %	
Solid substance	54,7%	

SECTION 10: Stability and reactivity

10.1. Reactivity

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No known data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

Product vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

10.4. Conditions to avoid

Avoid heating and contact with ignition sources.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - oral:	Ingestion may cause discomfort. The product does not have to be classified. Test data are not available.
Acute toxicity - dermal:	The product does not have to be classified. Test data are not available.
Acute toxicity - inhalation:	The product does not have to be classified. Test data are not available.
Skin corrosion/irritation:	May cause slight irritation. The product does not have to be classified. Test data are not available.
Serious eye damage/eye irritation:	Temporary irritation. The product does not have to be classified. Test data are not available.
Respiratory sensitisation or skin sensitisation:	May cause sensitisation by skin contact. Symptoms include reddening, swelling, blistering and ulceration - often slowly developing.
Germ cell mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product contains at least one substance which is a suspected reproductive hazard. The product does not have to be classified. Test data are not available.
Single STOT exposure:	The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. Can be absorbed through the skin causing symptoms such as dizziness and headache.
Repeated STOT exposure:	Prolonged or repeated exposure by skin contact or inhalation of vapours may cause damage to the central nervous system. The product does not have to be classified. Test data are not available.
Aspiration hazard:	The product does not have to be classified. Test data are not available.

11.2. Information on other hazards

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Endocrine disrupting properties: None known.

Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

The product does not have to be classified. Test data are not available.

12.2. Persistence and degradability

Test data are not available.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

No assessment has been made.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid discharge to drain or surface water. If this product as supplied becomes a waste, it meets the criteria of a hazardous waste (Dir. 2008/98/EU). Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

Category of waste: EWC code: Depends on line of business and use, for instance 08 01 11* waste paint and varnish containing organic solvents or other hazardous substances
Absorbent/cloth contaminated with the product: EWC code: 15 02 02* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: 1263

14.2. UN proper shipping name: PAINT

14.3. Transport hazard class(es): 3

Hazard label(s): 3

14.4. Packing group: III

14.5. Environmental hazards: The product should not be labelled as an environmental hazard (symbol: fish and tree).

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Hazard identification number: 30 **Tunnel restriction code:** D/E

Other Information: The product is not covered by the rules for transport of dangerous goods by road and rail in packagings of less than 450 litres according to ADR/RID 2.2.3.1.5, due to the viscosity of the product.

Inland water ways transport (ADN)

14.1. UN number or ID number:	1263	14.4. Packing group:	III
14.2. UN proper shipping name:	PAINT	14.5. Environmental hazards:	The product should not be labelled as an environmental hazard (symbol: fish and tree).
14.3. Transport hazard class(es):	3	Other Information:	-
Hazard label(s):	3		
Transport in tank vessels:	-		

Sea transport (IMDG)

14.1. UN number or ID number:	1263	14.4. Packing group:	III
14.2. UN proper shipping name:	PAINT	14.5. Environmental hazards:	The product is not a Marine Pollutant (MP).
14.3. Transport hazard class(es):	3	Environmental Hazardous Substance Name(s):	
Hazard label(s):	3	IMDG Code segregation group:	- None -
EmS:	F-E, S-E		

Other Information: According to IMDG 2.3.2.5, in packagings of less than 450 litres the product is not covered by the provisions of the rules for transport of dangerous goods by sea for the marking, labelling and testing of packages, due to the viscosity of the product. The sea transport document must contain the following sentence: Transport in accordance with 2.3.2.5 of the IMDG Code.

Air transport (ICAO-TI / IATA-DGR)

14.1. UN number or ID number:	1263	14.4. Packing group:	III
14.2. UN proper shipping name:	PAINT	14.5. Environmental hazards:	-
14.3. Transport hazard class(es):	3	Other Information:	-
Hazard label(s):	3		

14.6. Special precautions for user

None.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

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SECTION 15: Regulatory information

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

Special Provisions: Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product.
The Control of Major Accident Hazards Regulations 2015, P5c FLAMMABLE LIQUIDS:
Column 2: 5000 t, Column 3: 50000 t.

Covered by:
The Health and Safety (Young Persons) Regulations 1997.

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
4.0.0	14/03/2024	Bureau Veritas HSE/SUJ	1,3,15,16

Abbreviations: PBT: Persistent, Bioaccumulative and Toxic
STOT: Specific Target Organ Toxicity
vPvB: Very Persistent and Very Bioaccumulative

Other Information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with Regulation 1907/2006/EC "The Registration, Evaluation and Authorization of Chemicals" as amended by the stationary UK REACH etc. (EU Exit) as subsequently changed.

Training advice: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Classification method: Calculation based on the hazards of the known components.

Hazard statements

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H360D	May damage the unborn child.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

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Supplemental hazard information

EUH066 Repeated exposure may cause skin dryness or cracking.
EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

SDS is prepared by

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