

Safety Data Sheet

Synthetic thinner

Replaces date: 23/01/2018

Revision date: 08/11/2018
Version: 2.0.0

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

1.1. Product identifier

Trade name: Synthetic thinner

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

Recommended uses: Thinner

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Kramp UK Ltd
Address: Stratton Business Park, London Road, Biggleswade
Zip code: SG18 8QB
City: Bedfordshire
Country: UNITED KINGDOM
E-mail: SDS@kramp.com
Phone: + 44 1767 602600

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. 2;H225 Asp. Tox. 1;H304 Eye Irrit. 2;H319 STOT SE 3;H336 Aquatic Chronic 2;H411

Most serious harmful effects: Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes serious eye irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects. Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking. 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 inhalation of vapours may cause damage to the central nervous system.

2.2. Label elements

Pictograms



Signal word: Danger

Contains

Substance: Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics; ethyl acetate; n-butyl acetate; acetone

H-phrases

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H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

P-phrases

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.
P301+310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor
P303+361+353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local regulation.

Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

The product does not contain any PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics		920-750-0	01-2119473851-33	25 - 50%		Flam. Liq. 2;H225 Asp. Tox. 1;H304 STOT SE 3;H336 Aquatic Chronic 2;H411
ethyl acetate	141-78-6	205-500-4	01-2119475103-46	10 - 25%		Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336
n-butyl acetate	123-86-4	204-658-1	01-2119485493-29	10 - 20%		Flam. Liq. 3;H226 STOT SE 3;H336
ethanol	64-17-5	200-578-6	01-2119457610-43	2.5 -< 10%		Flam. Liq. 2;H225 Eye Irrit. 2;H319
acetone	67-64-1	200-662-2	01-2119471330-49	2.5 -< 10%		Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics		919-857-5	01-2119463258-33	2.5 -< 10%		Flam. Liq. 3;H226 Asp. Tox. 1;H304 STOT SE 3;H336

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

SECTION 4: First aid measures

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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. Do not induce vomiting. If vomiting occurs, keep head low so that stomach contents do not enter lungs. Immediately call a POISON CENTER or doctor/physician.
Skin contact:	Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
Eye contact:	Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.
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

May cause chemical pneumonia if ingested or vomited. Irritating to eyes. Causes a burning sensation and tearing. Degrases and dries the skin. Repeated exposure may cause skin dryness or cracking. 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 inhalation of vapours may cause damage to the central nervous system.

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

Treat symptoms. No special immediate treatment required.

SECTION 5: Fire-fighting 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. Explosive mixtures may form with air when heated/exposed to fire.

5.3. Advice for fire-fighters

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. Wear gloves. Provide adequate ventilation. Smoking and naked flames prohibited. In case of insufficient ventilation, wear respiratory protective equipment.
For emergency responders:	In addition to the above: Protective suit equivalent to EN 368, type 3, is recommended.

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6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water. Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.

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. A safety shower should 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. Store in a dry, cool, well-ventilated area. Do not expose to heat (e.g. sunlight). Avoid direct sunlight.

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	Comments	Remarks
ethyl acetate	15m	400				
ethyl acetate	8h	200				
n-butyl acetate	8h	150	724			
n-butyl acetate	15m	200	966			
ethanol	15m					
ethanol	8h	1.000	1.920			
acetone	8h	500	1210			
acetone	15m	1500	3620			
Cycloalkanes (≥C7)	8h		800			

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, Wear safety goggles. Eye protection must conform to EN 166.

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eye/face protection:

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.

Personal protective equipment, respiratory protection: In case of insufficient ventilation, wear respiratory protective equipment. Filter type: A. P. 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	Multiple colours
Odour	Characteristic
Solubility	Insoluble in the following: Water.
Explosive properties	Product vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.
Oxidising properties	No data

Parameter	Value/unit	Remarks
pH (solution for use)	No data	
pH (concentrate)	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	56 °C	
Flash Point	-18 °C	DIN 53213
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	370 °C	(DIN 51794)
Explosion limits	0.9 - 13 vol%	
Vapour pressure	233 hPa	20 °C
Vapour density	No data	
Relative density	No data	
Partition coefficient n-octanol/water	No data	
Auto-ignition temperature		Not spontaneously flammable
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

9.2 Other information

Parameter	Value/unit	Remarks
Density	0,794 g/cm ³	(DIN 53217) 20 °C
Kinematic viscosity	12 s	(DIN 53211/4) 20 °C
VOC	99,70 %	

SECTION 10: Stability and reactivity

10.1. Reactivity

No known data.

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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 toxicological effects

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 irritate the skin - may cause reddening. Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking. The product does not have to be classified. Test data are not available.
Serious eye damage/eye irritation:	Irritating to eyes. Causes a burning sensation and tearing.
Respiratory sensitisation or skin sensitisation:	The product does not have to be classified. Test data are not available.
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 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.
Repeated STOT exposure:	Prolonged or repeated 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:	May cause chemical pneumonia if ingested or vomited.
Other toxicological effects:	None known.

SECTION 12: Ecological information

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12.1. Toxicity

Toxic to aquatic life with long lasting effects.

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

The product does not contain any PBT or vPvB substances.

12.6. 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.

Uncleansed packaging is to be disposed of via the local waste-removal scheme. Empty, cleansed packaging should be disposed of for recycling.

Category of waste: EWC code: Depends on line of business and use, for instance 14 06 03* other solvents and solvent mixtures

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 dangerous substances.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN-No.:	1263	14.4. Packing group:	II
14.2. UN proper shipping name:	PAINT RELATED MATERIAL	14.5. Environmental hazards:	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	3		
Hazard label(s):	3		
Hazard identification number:	33	Tunnel restriction code:	D/E
Other Information:	-		

Inland water ways transport (ADN)

14.1. UN-No.:	1263	14.4. Packing group:	II
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14.2. UN proper shipping name:	PAINT RELATED MATERIAL	14.5. Environmental hazards:	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	3	Other Information:	-
Hazard label(s):	3		
Transport in tank vessels:	-		
Sea transport (IMDG)			
14.1. UN-No.:	1263	14.4. Packing group:	II
14.2. UN proper shipping name:	PAINT RELATED MATERIAL	14.5. Environmental hazards:	The product must be labelled as a Marine Pollutant (MP) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	3	Environmental Hazardous Substance Name(s):	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics
Hazard label(s):	3	IMDG Code segregation group:	- None -
EmS:	F-E, S-E		
Air transport (ICAO-TI / IATA-DGR)			
14.1. UN-No.:	1263	14.4. Packing group:	II
14.2. UN proper shipping name:	PAINT RELATED MATERIAL	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. Transport in bulk according to Annex II of MARPOL and the IBC Code			
Not applicable.			

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. Directive 2012/18/EU (Seveso), P5c FLAMMABLE LIQUIDS: Column 2: 5000 t, Column 3: 50000 t. Directive 2012/18/EU (Seveso), E2 Hazardous to the Aquatic Environment in Category Chronic 2: Column 2: 200 t, Column 3: 500 t. Covered by: Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.
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15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

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SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
2.0.0	08/11/2018	Bureau Veritas HSE / JOJ	1-9, 11-16.
1.0.0	23/01/2018	Bureau Veritas HSE / JOJ	New SDS

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 1907/2006/EC (REACH) 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.

List of relevant H-statements

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

SDS is prepared by

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