

## Safety Data Sheet

### KRAMP V6 stop resin 400 ml

Issued: 19/01/2018  
Version: 1.0.0

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

##### 1.1. Product identifier

Trade name: KRAMP V6 stop resin 400 ml

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

Recommended uses: Cleaner

##### 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: Aerosol 1;H222 Aerosol 1;H229 Skin Corr. 1A;H314 Eye Dam. 1;H318 Aquatic Chronic 3;H412

Most serious harmful effects: Extremely flammable aerosol. Pressurised container: May burst if heated. Causes severe skin burns and eye damage. Harmful to aquatic life with long lasting effects. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

##### 2.2. Label elements

###### Pictograms



Signal word: Danger

###### Contains

Substance: Sodium hydroxide; Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)

###### H-phrases

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H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H314	Causes severe skin burns and eye damage.
H412	Harmful to aquatic life with long lasting effects.

#### P-phrases

P102	Keep out of reach of children.
P260	Do not breathe spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P211	Do not spray on an open flame or other ignition source.
P410+412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
P501	Dispose of contents/container in accordance with local regulation.

#### 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
propan-2-ol	67-63-0	200-661-7	01-2119457558-25	10 - 12.5%		Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336
Sodium hydroxide	1310-73-2	215-185-5	01-2119457892-27	5 - 10%		Met. Corr. 1;H290 Skin Corr. 1A;H314
propane	74-98-6	200-827-9	01-2119486944-21	2.5 - 5%		Flam. Gas 1;H220 Press. Gas Comp. gas;H280
Butane	106-97-8	203-448-7	01-2119474691-32	2.5 - 5%		Flam. Gas 1;H220 Press. Gas Comp. gas;H280
Isobutane	75-28-5	200-857-2	01-2119485395-27	2.5 - 5%		Flam. Gas 1;H220 Press. Gas Comp. gas;H280
Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)	931-329-6		01-2119490100-53	2.5 - 5%		Skin Irrit. 2;H315 Eye Dam. 1;H318 Aquatic Chronic 2;H411

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

**Ingredient comments:** Pursuant to Regulation (EC) No. 648/2004 on detergents:  
5% or over but less than 15%: aliphatic hydrocarbons.  
less than 5%: non-ionic surfactants.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation:</b>	Seek fresh air. Seek medical advice in case of persistent discomfort.
<b>Ingestion:</b>	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice immediately.
<b>Skin contact:</b>	Remove contaminated clothing. Wash the skin with water. Seek medical advice immediately.
<b>Eye contact:</b>	Open eye wide, remove any contact lenses and flush immediately with water (preferably using eye wash equipment). Seek medical advice immediately. Continue flushing until medical attention is obtained. Seek medical advice immediately.

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**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.

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

Inhalation of spray mist may cause irritation to the upper airways. Eye contact may result in deep caustic burns, pain, tearing and cramping of the eyelids. Risk of serious eye injury and loss of sight. Has a caustic burning effect and causes burning pain, reddening, blistering and burning sores if it comes in contact with skin. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. Ingestion may cause caustic burning in mouth, oesophagus and stomach. Pains in mouth, throat and stomach. Difficulty swallowing, feeling unwell and vomiting of blood. Brown spots and burns may appear in and around the mouth.

#### 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, carbon dioxide 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

Heating will cause a rise in pressure in packaging with a risk of bursting. CAUTION! Aerosol containers may explode. The product decomposes when combusted and the following toxic gases can be formed: Carbon monoxide and carbon dioxide/ Nitrous gases.

#### 5.3. Advice for fire-fighters

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. Provide adequate ventilation. Smoking and naked flames prohibited. In case of insufficient ventilation, wear respiratory protective equipment. Wear gloves. Wear safety goggles.

**For emergency responders:** In addition to the above: Chemical protective suit equivalent to EN 943-2 is recommended.

#### 6.2. Environmental precautions

Avoid unnecessary release to the environment.

#### 6.3. Methods and material for containment and cleaning up

Wipe up drops and splashes with a cloth.

#### 6.4. Reference to other sections

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

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

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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.

#### 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. Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C. Store in a cool, dry place.

#### 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/m3	fiber/cm3	Comments	Remarks
propan-2-ol	8h	400	999			
propan-2-ol	15m	500	1250			
Sodium hydroxide	8h					
Sodium hydroxide	15m		2			
Butane	15m	750	1.810			
Butane	8h	600	1.450			

**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 December 2011.

#### 8.2. Exposure controls

**Appropriate engineering controls:** Wear the personal protective equipment specified below.

**Personal protective equipment, eye/face protection:** Wear safety goggles/face protection. Eye protection must conform to EN 166.

**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: AX. 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	Aerosol
Colour	Clear
Odour	Characteristic
Solubility	Not miscible with the following: Water.
Explosive properties	Non-explosive

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Oxidising properties	Non-oxidising.	
Parameter	Value/unit	Remarks
pH (solution for use)	No data	
pH (concentrate)	14	20 °C
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flash Point	< 0 °C	
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	425 °C	
Explosion limits	2.0 - 12.0 vol%	
Vapour pressure	3500 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	0,941 g/cm <sup>3</sup>	20 °C
VOC	208 g/l	

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Not reactive.

### 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

The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed: Carbon monoxide and carbon dioxide/ Nitrous gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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#### Acute toxicity - oral

##### propan-2-ol, cas-no 67-63-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		5840 mg/kg			

##### Sodium hydroxide, cas-no 1310-73-2

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		2000 mg/kg		OECD 401	

##### Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl), cas-no 931-329-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000mg/kg			

Spray mist in mouth may irritate mucous membranes in mouth and throat. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Acute toxicity - dermal

##### propan-2-ol, cas-no 67-63-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		13900 mg/kg			

##### Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl), cas-no 931-329-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 2000mg/kg			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Acute toxicity - inhalation

##### propan-2-ol, cas-no 67-63-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50	6 h	> 25mg/l			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Skin corrosion/irritation:

Has a caustic burning effect and causes burning pain, reddening, blistering and burning sores if it comes in contact with skin.

#### Serious eye damage/eye irritation:

Eye contact may result in deep caustic burns, pain, tearing and cramping of the eyelids. Risk of serious eye injury and loss of sight.

#### 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 does not have to be classified. Test data are not available. Inhalation of vapours may cause irritation to the upper airways. The product releases organic solvent vapours. At high concentrations, the vapours may cause headache, dizziness, intoxication and possible unconsciousness.

#### Repeated STOT exposure:

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. Inhalation of spray mist may cause chemical pneumonia.

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**Other toxicological effects:** Ingestion may cause caustic burning in mouth, oesophagus and stomach. Pains in mouth, throat and stomach. Difficulty swallowing, feeling unwell and vomiting of blood. Brown spots and burns may appear in and around the mouth.

#### SECTION 12: Ecological information

##### 12.1. Toxicity

###### propan-2-ol, cas-no 67-63-0

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Pimephales promelas	96 h	LC50	9640 mg/l			
Crustacea	Daphnia magna	24 h	EC50	9714 mg/l			

###### Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl), cas-no 931-329-6

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Name of species not specified	96 h	96hLC50	2.1 mg/l			
Crustacea	Daphnia magna	24 h	24hLC50	3.3 mg/l			

Harmful 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

Do not dispose of aerosol sprays in refuse collection, even when empty. The sprays must be sent to the municipal chemical waste collection facility with the specifications set out below.

Aerosol sprays: EWC code: 16 05 04 Gases in pressure containers containing dangerous substances. Wiping cloths with organic solvents: 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.:**

1950

**14.4. Packing group:**

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<b>14.2. UN proper shipping name:</b>	AEROSOLS	<b>14.5. Environmental hazards:</b>	The product should not be labelled as an environmental hazard (symbol: fish and tree).
<b>14.3. Transport hazard class(es):</b>	2.1 (8)		
<b>Hazard label(s):</b>	2.1+8		
<b>Hazard identification number:</b>		<b>Tunnel restriction code:</b>	D
<b>Inland water ways transport (ADN)</b>			
<b>14.1. UN-No.:</b>	1950	<b>14.4. Packing group:</b>	
<b>14.2. UN proper shipping name:</b>	AEROSOLS	<b>14.5. Environmental hazards:</b>	The product should not be labelled as an environmental hazard (symbol: fish and tree).
<b>14.3. Transport hazard class(es):</b>	2.1 (8)		
<b>Hazard label(s):</b>	2.1+8		
<b>Transport in tank vessels:</b>			
<b>Sea transport (IMDG)</b>			
<b>14.1. UN-No.:</b>	1950	<b>14.4. Packing group:</b>	
<b>14.2. UN proper shipping name:</b>	AEROSOLS	<b>14.5. Environmental hazards:</b>	The product is not a Marine Pollutant (MP).
<b>14.3. Transport hazard class(es):</b>	2.1 (8)	<b>Environmental Hazardous Substance Name(s):</b>	
<b>Hazard label(s):</b>	2.1+8		
<b>EmS:</b>	F-D, S-U	<b>IMDG Code segregation group:</b>	- None -
<b>Air transport (ICAO-TI / IATA-DGR)</b>			
<b>14.1. UN-No.:</b>	1950	<b>14.4. Packing group:</b>	
<b>14.2. UN proper shipping name:</b>	AEROSOLS, FLAMMABLE, CONTAINING SUBSTANCES IN CLASS 8, PACKING GROUP III	<b>14.5. Environmental hazards:</b>	The product is not a Marine Pollutant (MP).
<b>14.3. Transport hazard class(es):</b>	2.1 (8)		
<b>Hazard label(s):</b>	2.1+8		
<b>14.6. Special precautions for user</b>			
None.			
<b>14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code</b>			
Not applicable.			

## SECTION 15: Regulatory information

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

**Special Provisions:** Covered by:  
Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work. 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), P3a FLAMMABLE AEROSOLS: Column 2: 150 (net) t, Column 3: 500 (net) t.

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March



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2004 on detergents.

#### 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
1.0.0	19/01/2018	Bureau Veritas HSE / MPE	

**Abbreviations:**  
DNEL: Derived No Effect Level  
PBT: Persistent, Bioaccumulative and Toxic  
STOT: Specific Target Organ Toxicity

**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

H220 Extremely flammable gas.  
H222 Extremely flammable aerosol.  
H225 Highly flammable liquid and vapour.  
H229 Pressurised container: May burst if heated.  
H280 Contains gas under pressure, may explode if heated.  
H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

**Document language:** GB