

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 08.03.2022

Version number 3

Revision: 28.02.2022

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

#### 1.1 Product identifier

Trade name: **Ceramic 1200**

Article number: 84335

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

FOR PROFESSIONAL AND INDUSTRIAL USE ONLY

#### Application of the substance / the mixture

Lubricant

Release agent

#### 1.3 Details of the supplier of the safety data sheet

##### Manufacturer/Supplier:

KENT (United Kingdom) Ltd

Forsyth House

Pitreavie Drive

Pitreavie Business Park

Dunfermline

Fife

KY11 8US

Tel: +44 01383 723344 / 0800 136925 Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm

Fax: +44 1383 620079

SDS@kenteurope.com

#### 1.4 Emergency telephone number:

Tel: +44 01383 723344 During normal office hours - Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



flame

Aerosol 1 H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

#### Hazard pictograms



GHS02

Signal word **Danger**

#### Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

#### Precautionary statements

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.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

#### 2.3 Other hazards

#### Results of PBT and vPvB assessment

PBT: Not applicable.

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· **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

#### 3.2 Chemical characterisation: Mixtures

· **Description:** Mixture of the substances listed below with harmless additions.

#### Dangerous components:

CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21	Propane liquefied ⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280	5-10%
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32	butane, pure ⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280	5-10%
CAS: 75975-85-8 Polymer	Benzene, polypropene derivatives, sulfonated, calcium ⚠ Eye Irrit. 2, H319	<3%

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

· **After inhalation** Supply fresh air; consult doctor in case of symptoms.

#### After skin contact

Instantly wash with water and soap and rinse thoroughly.

Generally the product is not skin irritating.

· **After eye contact** Rinse opened eye for several minutes under running water.

#### After swallowing

Rinse out mouth.

In case of persistent symptoms consult doctor.

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

#### Suitable extinguishing agents

Use fire fighting measures that suit the environment.

CO<sub>2</sub>, extinguishing powder or water haze. Fight larger fires with water haze or alcohol-resistant foam.· **For safety reasons unsuitable extinguishing agents** Water jet.

#### 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide and carbon dioxide

#### 5.3 Advice for firefighters

#### Protective equipment:

Do not inhale explosion gases or combustion gases.

Wear self-contained breathing apparatus.

#### Additional information

Cool endangered containers with water spray jet.

Collect contaminated fire fighting water separately. It must not enter drains.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked / spilled product.

Keep away from ignition sources

Wear protective equipment. Keep unprotected persons away.

· **6.2 Environmental precautions:** Do not allow product to reach sewage system or water bodies.

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

Send for recovery or disposal in suitable containers.

Dispose of contaminated material as waste according to item 13.

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Ensure adequate ventilation.

**6.4 Reference to other sections**

No dangerous materials are released.

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Keep away from heat and direct sunlight.

**Information about protection against explosions and fires:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

**7.2 Conditions for safe storage, including any incompatibilities****Storage****Requirements to be met by storerooms and containers:**

Store in cool location.

Observe official regulations on storing packagings with pressurised containers.

**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:**

Store in cool, dry conditions in well sealed containers.

Store container in a well ventilated position.

**Storage class 2 B****7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Additional information about design of technical systems:** No further data; see item 7.**Components with limit values that require monitoring at the workplace:**

The product is comprised of a grease in an integrated container with propellant. The propellant remains in a sealed bag within the can and is not extruded during normal use of the product. Propellant = Butane CAS 106-97-8 &amp; propane CAS 74-98-6.

**106-97-8 butane, pure**

WEL	Short-term value:	1810 mg/m <sup>3</sup> , 750 ppm
	Long-term value:	1450 mg/m <sup>3</sup> , 600 ppm
	Carc (if more than 0.1% of buta-1.3-diene)	

**Regulatory information** WEL: EH40/2020**DNELs****78-78-4 methylbutane**

Dermal	Long term systemic effect	432 mg/kg (Worker)
Inhalative	Long term systemic effect	3,000 mg/m <sup>3</sup> (Worker)

**Additional information:** The lists that were valid during the compilation were used as basis.**8.2 Exposure controls****Personal protective equipment****General protective and hygienic measures** Wash hands during breaks and at the end of the work.**Breathing equipment:** Not necessary if room is well-ventilated.**Protection of hands:**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

Wear suitable gloves tested to EN 374

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Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

Value for the permeation: Level 6 &gt; 480 minutes

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Safety glasses (EN 166)

- **Body protection:** Protective work clothing (EN-13034/6)

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

<b>Form:</b>	Pasty
<b>Colour:</b>	Beige
<b>Odour:</b>	Mineral-oil-like

- **pH-value:** Not determined.

- **Change in condition**

<b>Melting point/freezing point:</b>	>300 °C
<b>Initial boiling point and boiling range:</b>	Not determined Not applicable, as aerosol

- **Flash point:** 270 °C

- **Self-inflammability:** Product is not selfigniting.

- **Explosive properties:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.

- **Critical values for explosion:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

- **Vapour pressure:** Not determined.

- **Density at 20 °C** 1.1 g/cm<sup>3</sup>

- **Solubility in / Miscibility with Water:** Insoluble

- **Solvent content:**

<b>Organic solvents:</b>	NIL VOC
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- **9.2 Other information** No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.

- **10.2 Chemical stability**

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

- **10.3 Possibility of hazardous reactions** No dangerous reactions known

- **10.4 Conditions to avoid** No further relevant information available.

- **10.5 Incompatible materials:** No further relevant information available.

- **10.6 Hazardous decomposition products:**

Formation of harmful gases is possible during heating or in case of fire.

Carbon monoxide and carbon dioxide

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

· **Acute toxicity** Based on available data, the classification criteria are not met.

#### · LD/LC50 values that are relevant for classification:

74-98-6 Propane liquefied		
	ErC 50	19.37 mg/l (Algae) (96 hr)
106-97-8 butane, pure		
Inhalative	LC50 (4 hr)	658 mg/l (Rat)
	ErC 50	19.37 mg/l (Algae) (96 hr)
75-28-5 Isobutane		
	ErC 50	19.37 mg/l (Algae)

#### · Primary irritant effect:

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

· **Serious eye damage/irritation** Based on available data, the classification criteria are not met.

· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

#### · Additional toxicological information:

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

· **Carcinogenicity** Based on available data, the classification criteria are not met.

· **Reproductive toxicity** Based on available data, the classification criteria are not met.

· **STOT-single exposure** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure** Based on available data, the classification criteria are not met.

· **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### · Aquatic toxicity:

74-98-6 Propane liquefied		
EC50 (48 hr)		69.43 mg/l (Daphnia magna)
LC50 (96 hr)		49.9 mg/l (Fish)
106-97-8 butane, pure		
EC50 (48 hr)		69.43 mg/l (Daphnia magna)
LC50 (96 hr)		49.9 mg/l (Fish)
75-28-5 Isobutane		
EC50 (48 hr)		69.43 mg/l (Daphnia magna)
LC50 (96 hr)		91.42 mg/l (Fish)
78-78-4 methylbutane		
EC50 (48 hr)		2.3 mg/l (Daphnia magna)
EC50 (72 hr)		10.7 mg/l (Selenastrum capricornutum)
LC50 (96 hr)		4.26 mg/l (Oncorhynchus mykiss)

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

#### · Additional ecological information:

##### · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

#### · 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

- **Recommendation** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport information

### 14.1 UN-Number

· **ADR, IMDG, IATA** UN1950

### 14.2 UN proper shipping name

· **ADR** 1950 AEROSOLS  
 · **IMDG** AEROSOLS  
 · **IATA** AEROSOLS, flammable

### 14.3 Transport hazard class(es)

· **ADR**



· **Class** 2.5F Gases.  
 · **Label** 2.1

· **IMDG, IATA**



· **Class** 2.2 Gases.  
 · **Label** 2.1

### 14.4 Packing group

· **ADR, IMDG, IATA** Void

### 14.5 Environmental hazards:

· **Marine pollutant:** No

### 14.6 Special precautions for user

· **Kemler Number:** -  
 · **EMS Number:** F-D,S-U  
 · **Stowage Code** SW1 Protected from sources of heat.  
 SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.  
 · **Segregation Code** SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.  
 For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2.  
 For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

### Transport/Additional information:

· **ADR**

· **Limited quantities (LQ)** 1L

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· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	E
<hr style="border-top: 1px dashed #000;"/>	
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>UN "Model Regulation":</b>	UN 1950 AEROSOLS, 2.1

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category P3a** FLAMMABLE AEROSOLS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **National regulations**
- **Technical instructions (air):**

Class	Share in %
NK	15.3

- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**  
H220 Extremely flammable gas.  
H280 Contains gas under pressure; may explode if heated.  
H319 Causes serious eye irritation.
- **Department issuing data specification sheet:** Environment protection department
- **Abbreviations and acronyms:**  
RID: (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
DNEL: Derived No-Effect Level (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Gas 1A: Flammable gases – Category 1A  
Aerosol 1: Aerosols – Category 1  
: Aerosols – Category 3  
Press. Gas (Comp.): Gases under pressure – Compressed gas  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- **Data compared to the previous version altered.** \*