

# SAFETY DATA SHEET

SABRE

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

### 1.1. Product identifier

Product name SABRE

Product number K054

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

Identified uses Hard surface cleaner

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

Supplier **SELDEN RESEARCH LIMITED**  
STADEN LANE  
BUXTON  
DERBYSHIRE  
SK17 9RZ  
UNITED KINGDOM

Tel. 01298 26226  
Fax. 01298 26540  
email [safety@selden.co.uk](mailto:safety@selden.co.uk)

### 1.4. Emergency telephone number

National emergency telephone number Mon to Fri 8.30am to 5.00pm - 01298 26226

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification

##### Physical hazards

Aerosol 1 - H222, H229

##### Health hazards

Not Classified

##### Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

F+;R12.

### 2.2. Label elements

#### Pictogram



Signal word Danger

#### Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated

#### Precautionary statements

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P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

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

### 2.3. Other hazards

PRESSURISED CONTAINER - increase in temperature to greater than 50C will cause internal pressure to rise potentially causing bursting/explosion.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>PROPAN-2-OL</b> <b>CAS number:</b> 67-63-0 <b>EC number:</b> 200-661-7	<b>5-10%</b>
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	<b>Classification (67/548/EEC or 1999/45/EC)</b> F;R11 Xi;R36 R67
<b>BUTANE</b> <b>CAS number:</b> 106-97-8 <b>EC number:</b> 203-448-7	<b>10-15%</b>
<b>Classification</b> Flam. Gas 1 - H220 Press. Gas, Liquefied - H280	<b>Classification (67/548/EEC or 1999/45/EC)</b> F+;R12
<b>QUATERNARY AMMONIUM ETHOSULPHATE</b> <b>CAS number:</b> 68308-64-5 <b>EC number:</b> 269-662-8 <b>M factor (Acute) = 1</b>	<b>&lt;1%</b>
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22. Xi;R38,R41. N;R50.
<b>Dodecyl dipropylenetriamine</b> <b>CAS number:</b> 2372-82-9 <b>EC number:</b> 219-145-8 <b>REACH registration number:</b> 01-2119980592-29-0000 <b>M factor (Acute) = 10 M factor (Chronic) = 1</b>	<b>&lt;1%</b>
<b>Classification</b> Acute Tox. 3 - H301 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT RE 2 - H373 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22. C;R34. N;R50.

## SABRE

**Amines, coco alkyldimethyl**

**<1%**

**CAS number:** 61788-93-0    **EC number:** 263-020-0

**M factor (Acute) = 10**

### **Classification**

Acute Tox. 4 - H302

Skin Corr. 1B - H314

Eye Dam. 1 - H318

Aquatic Acute 1 - H400

### **Classification (67/548/EEC or 1999/45/EC)**

Xn;R22. C;R34. N;R50.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

#### **General information**

Treat symptomatically.

#### **Inhalation**

Move affected person to fresh air at once. Keep affected person warm and at rest. For breathing difficulties oxygen may be necessary. Get medical attention immediately.

#### **Ingestion**

Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention.

#### **Skin contact**

Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

#### **Eye contact**

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

#### **General information**

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

#### **Inhalation**

Vapours in high concentrations are anaesthetic. Central nervous system depression. Fatigue. Headache. Dizziness. Symptoms following overexposure may include the following:

#### **Ingestion**

Causes chemical burns to mouth, throat and stomach. May cause stomach pain or vomiting.

#### **Skin contact**

No specific symptoms known.

#### **Eye contact**

Irritation of eyes and mucous membranes.

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

#### **Notes for the doctor**

Treat symptomatically.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Extinguish with the following media: Dry chemicals, sand, dolomite etc. Powder. Water spray, fog or mist.

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

#### **Specific hazards**

Containers can burst violently or explode when heated, due to excessive pressure build-up.

### **5.3. Advice for firefighters**

#### **Protective actions during firefighting**

Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

#### **Special protective equipment for firefighters**

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## **SECTION 6: Accidental release measures**

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

#### **Personal precautions**

For personal protection, see Section 8.

### **6.2. Environmental precautions**

#### **Environmental precautions**

Any spillage needs to be contained and not allowed to enter water courses

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

#### **Methods for cleaning up**

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Eliminate all sources of ignition. If leakage cannot be stopped, evacuate area. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation.

### **6.4. Reference to other sections**

#### **Reference to other sections**

For personal protection, see Section 8. For waste disposal, see Section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Usage precautions**

Keep away from heat, sparks and open flame. Use approved respirator if air contamination is above an acceptable level. Avoid spilling. Provide adequate ventilation. Avoid inhalation of vapours. Avoid contact with skin and eyes.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Storage precautions**

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

### **7.3. Specific end use(s)**

#### **Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

#### **Usage description**

See product label for detailed usage and instructions.

## **SECTION 8: Exposure Controls/personal protection**

### **8.1. Control parameters**

#### **Occupational exposure limits**

##### **PROPAN-2-OL**

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m<sup>3</sup>

##### **BUTANE**

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1450 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### **Ingredient comments**

WEL = Workplace Exposure Limits

## **8.2. Exposure controls**

### **Protective equipment**



### **Eye/face protection**

Eye protection not normally required with day to day use of product

### **Hand protection**

Use protective gloves.

### **Other skin and body protection**

General workwear only

### **Hygiene measures**

DO NOT SMOKE IN WORK AREA!

## **SECTION 9: Physical and Chemical Properties**

### **9.1. Information on basic physical and chemical properties**

#### **Appearance**

Aerosol. White foam

#### **Odour**

Characteristic. lime

#### **Flash point**

- 74°C N/A.

#### **Upper/lower flammability or explosive limits**

: 1.8

#### **Auto-ignition temperature**

+ 405°C

#### **Comments**

Information given relates to total aerosol container contents.

### **9.2. Other information**

#### **Other information**

None.

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

May react with other cleaning chemicals. For specific reactions refer to Section 10.5

### **10.2. Chemical stability**

#### **Stability**

Stable at normal ambient temperatures.

### **10.3. Possibility of hazardous reactions**

### **10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition. Increase in temperature to greater than 50 degrees will cause rise in internal pressure with likelihood of bursting/explosion.

### **10.5. Incompatible materials**

### **10.6. Hazardous decomposition products**

Fire creates: Toxic gases/vapours/fumes of: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

## **SECTION 11: Toxicological information**

**11.1. Information on toxicological effects****Toxicological effects**

No toxicological data is available for this mixture, however data can be provided for specific raw materials upon request.

**Acute toxicity - oral****ATE oral (mg/kg)**

72,463.76811594

**Inhalation**

Gas or vapour in high concentrations may irritate the respiratory system. Fatigue. Unconsciousness. Symptoms following overexposure may include the following: Headache. Nausea, vomiting. Gas or vapour displaces oxygen available for breathing (asphyxiant).

**Ingestion**

May cause burns in mucous membranes, throat, oesophagus and stomach. May cause stomach pain or vomiting.

**Skin contact**

No specific health hazards known.

**Eye contact**

Irritation of eyes and mucous membranes.

**SECTION 12: Ecological Information****Ecotoxicity**

Not classed as Hazardous to the Environment but release to the environment should be avoided.

**12.1. Toxicity**

Aquatic toxicity has not been carried out on this product. Data for raw materials contained in this product, when available, can be provided when necessary.

**12.2. Persistence and degradability****Persistence and degradability**

The product is biodegradable.

**12.3. Bioaccumulative potential**

The product does not contain any substances expected to be bioaccumulating.

**12.4. Mobility in soil****Mobility**

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

**12.5. Results of PBT and vPvB assessment**

This product does not contain any substances classified as PBT or vPvB.

**12.6. Other adverse effects**

None known.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal methods**

Empty containers must not be punctured or incinerated because of the risk of an explosion. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**SECTION 14: Transport information****14.1. UN number**

UN No. (ADR/RID) 1950

## SABRE

UN No. (IMDG) 1950

UN No. (ICAO) 1950

### 14.2. UN proper shipping name

Proper shipping name (ADR/RID) AEROSOLS, FLAMMABLE

Proper shipping name (IMDG) AEROSOLS, FLAMMABLE

Proper shipping name (ICAO) AEROSOLS, FLAMMABLE

Proper shipping name (ADN) AEROSOLS, FLAMMABLE

### 14.3. Transport hazard class(es)

ADR/RID class 2 Class Code:5F Label: 2.1

IMDG class 2.1

ICAO class/division 2.1

### 14.4. Packing group

Not applicable.

IMDG packing group N/A

ICAO packing group N/A

### 14.5. Environmental hazards

### 14.6. Special precautions for user

Tunnel restriction code (D)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

## **SECTION 15: Regulatory information**

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

#### **National regulations**

Control of Substances Hazardous to Health Regulations 2002 (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

#### **EU legislation**

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

#### **Guidance**

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. Approved Classification and Labelling Guide (Sixth edition) L131. CHIP for everyone HSG228.

### 15.2. Chemical safety assessment

No chemical assessment has been carried out as this Safety Data Sheet is for a mixture.

## **SECTION 16: Other information**

#### **General information**

The following risk phrases relate to the raw materials in the product and not the product itself:-

#### **Revision comments**

Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 - REACH Regulations.

## SABRE

**Revision date** 18/03/2015

**Revision** 8

**Risk phrases in full**

R11 Highly flammable  
R67 Vapours may cause drowsiness and dizziness.  
R36 Irritating to eyes.  
R12 Extremely flammable.  
R50 Very toxic to aquatic organisms.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R36/38 Irritating to eyes and skin.  
R34 Causes burns.  
R22 Harmful if swallowed.

**Hazard statements in full**

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.  
H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
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.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.