

Supramor 4 Black Aerosol

Version: 3.0

Revision Date 20.11.2013

Print Date 09.12.2013

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

1.1 Product identifier

Trade name : Supramor 4 Black Aerosol

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

Use of the Sub- : Colouring agent
stance/Mixture
Recommended restrictions : None known.
on use

1.3 Details of the supplier of the safety data sheet

Company : Chemetall Ltd
Denbigh Road
Bletchley Milton Keynes MK1 1PB
Telephone : 01908 649333
Telefax : 01908 373939

Contact person product safety
Telephone : +49(0)6971652832
E-mail address : msds.de@chemetall.com

1.4 Emergency telephone number

Emergency telephone : 01908 649333
number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable aerosols, Category 1 H222: Extremely flammable aerosol.

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

Extremely flammable R12: Extremely flammable.
R66: Repeated exposure may cause skin dryness
or cracking.

2.2 Label elements


Labelling (REGULATION (EC) No 1272/2008)

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| | | |
|--------------------------|---|--|
| Hazard pictograms | : |  |
| Signal word | : | Danger |
| Hazard statements | : | H222 Extremely flammable aerosol. EUH066 Repeated exposure may cause skin dryness or cracking. |
| Precautionary statements | : | Prevention: P210 Keep away from open flames/hot surfaces. - No smoking. P243 Take precautionary measures against static discharge. P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P262 Do not get in eyes, on skin, or on clothing. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. Response: P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. P308 + P313 IF exposed or concerned: Get medical advice/ attention. Disposal: P501 Dispose of contents/ container to an approved waste disposal plant. |

Additional Labelling:

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C.
Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material.
S16 Keep away from sources of ignition - No smoking.
S 2 Keep out of the reach of children.

Labelling according to EC Directives (1999/45/EC)

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Hazard pictograms

:



Extremely
flammable

R-phrases

: R12
R66

Extremely flammable.
Repeated exposure may cause skin dry-
ness or cracking.

S-phrases

: S16

S23
S24/25
S33

S36/37/39

S51
S60

Keep away from sources of ignition - No
smoking.
Do not breathe gas/fumes/vapour/spray.
Avoid contact with skin and eyes.
Take precautionary measures against
static discharges.
Wear suitable protective clothing, gloves
and eye/face protection.
Use only in well-ventilated areas.
This material and its container must be
disposed of as hazardous waste.

Special labelling of certain
mixtures

: Pressurized container. Protect from sunlight and do not ex-
pose to temperatures exceeding 50 °C.
Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material.
Keep away from sources of ignition - No smoking.
Keep out of the reach of children.

2.3 Other hazards

The information required is contained in this Material Safety Data Sheet.

SECTION 3: Composition/information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

Chemical nature : Mixture of organic solvents.

Hazardous components

| Chemical Name | CAS-No. EC-No. | Classification (67/548/EEC) | Classification (REGULATION) | Concentration [%] |
|---------------|-------------------|--------------------------------|--------------------------------|----------------------|
|---------------|-------------------|--------------------------------|--------------------------------|----------------------|

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| | Registration number | | (EC) No 1272/2008) | |
|--|---|----------------------------------|--|---------------|
| Distillates (Petroleum), hydrotreated light Kerosine-unspecified | 64742-47-8 265-149-8 01-2119485032-45 | Xn; R65 R66 Nota H | Asp. Tox. 1; H304 | >= 65 - < 80 |
| Propane | 74-98-6 200-827-9 01-2119486944-21 | F+; R12 | Flam. Gas 1; H220 Press. Gas | >= 2.5 - < 10 |

WEL substance :

| | | | | |
|--------|-----------------------|-----------------------|--|--------------|
| Butane | 106-97-8 203-448-7 | F+; R12 Nota C | Flam. Gas 1; H220 Press. Gas | >= 10 - < 25 |
|--------|-----------------------|-----------------------|--|--------------|

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

For the full text of the Notas mentioned in this Section, see Section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures**

- General advice : First-aid crew: Ensure self-protection.
Move out of dangerous area.
Take off contaminated clothing and shoes immediately.
- If inhaled : Move to fresh air.
If symptoms persist, call a physician.
- In case of skin contact : Wash off with soap and plenty of water.
If symptoms persist, call a physician.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids.
Consult a physician.
- If swallowed : Rinse mouth with water.
Do NOT induce vomiting.
Consult a physician.

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4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

Risks : irritant effects

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.
For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO₂)
Dry powder
Alcohol-resistant foam
Water spray

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : May form toxic gases on heating or in case of fire.
Carbon monoxide
Carbon dioxide (CO₂)

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Further information : Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

6.3 Methods and materials for containment and cleaning up

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Methods for cleaning up : Ensure adequate ventilation.
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

See chapter 8 and 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.
Floor level ventilation required.
Have eye wash bottle or eye rinse ready at the work place.

Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking.
Take precautionary measures against static discharges.
Vapours may form explosive mixtures with air.
Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place.
Store in a place accessible by authorized persons only.

Storage temperature : 5 - 40 °C

7.3 Specific end uses

Specific use(s) : Colouring agent

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

| Components | CAS-No. | Value | Control parameters | Update | Basis |
|---------------------|--|-------|------------------------------------|------------|---------|
| Butane | 106-97-8 | TWA | 600 ppm 1,450 mg/m ³ | 2007-08-01 | GB EH40 |
| Further information | : Carc: Capable of causing cancer and/or heritable genetic damage. The identified substances include those which: - are assigned the risk phrases 'R45: May cause cancer'; 'R46: may | | | | |

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| | | | | | |
|---------------------|---|------|------------------------|------------|---------|
| | cause heritable genetic damage'; 'R49: May cause cancer by inhalation' or - a substance or process listed in Schedule 1 of COSHH. Carcinogenic only applies if butane contains more than 0.1% of buta-1,3-diene | | | | |
| | 106-97-8 | STEL | 750 ppm 1,810 mg/m3 | 2007-08-01 | GB EH40 |
| Further information | : Carc: Capable of causing cancer and/or heritable genetic damage. The identified substances include those which: - are assigned the risk phrases 'R45: May cause cancer'; 'R46: may cause heritable genetic damage'; 'R49: May cause cancer by inhalation' or - a substance or process listed in Schedule 1 of COSHH. Carcinogenic only applies if butane contains more than 0.1% of buta-1,3-diene | | | | |

8.2 Exposure controls

Engineering measures

Ensure adequate ventilation, especially in confined areas.
Electrical equipment should be protected to the appropriate standard.
Use only explosion-proof equipment.

Personal protective equipment

- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.
Recommended Filter type:
AX-P2
- Hand protection : Nitrile rubber
Neoprene gloves
butyl-rubber
Protective gloves complying with EN 374.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
- Eye protection : Eye protection (EN 166)
Tightly fitting safety goggles
- Skin and body protection : Chemical resistant protective clothing according to DIN EN 13034 (Type 6)
- Hygiene measures : Take off contaminated clothing and shoes immediately.
Keep away from food, drink and animal feedingstuffs.
Wash hands before breaks and immediately after handling the product.

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Avoid contact with skin and eyes.
Do not breathe vapour.
Do not breathe spray.

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : aerosol
Colour : black
Odour : hydrocarbon-like
Flash point : > 93 °C
Method: ASTM D 93
Active substance
-60 °C
Butane/Propane
Boiling point/boiling range : not applicable
Density : 0.82 g/cm³
at 20 °C
Active substance
Water solubility : practically insoluble

9.2 Other information

Explosivity : Vapours may form explosive mixture with air.
Directive 1999/13/EC on the limitation of emissions of volatile organic compounds : Value: 25.8 %

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

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10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Keep away from open flames, hot surfaces and sources of ignition.
Protect from frost, heat and sunlight.

10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents

10.6 Hazardous decomposition products

Risk of decomposition. : No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity
Distillates (Petroleum), hydrotreated light Kerosine-unspecified : LD50: > 15,000 mg/kg

Acute dermal toxicity
Distillates (Petroleum), hydrotreated light Kerosine-unspecified : LD50: > 3,160 mg/kg

Skin corrosion/irritation

Skin irritation : May cause skin irritation in susceptible persons.

Serious eye damage/eye irritation

Eye irritation : May cause eye irritation with susceptible persons.

Respiratory or skin sensitisation

Sensitisation : no data available

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Toxicology Assessment

Repeated dose toxicity : Repeated exposure may cause skin dryness or cracking.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish : no data available

12.2 Persistence and degradability

Biodegradability : no data available

12.3 Bioaccumulative potential

Bioaccumulation : Bioaccumulation is unlikely.

12.4 Mobility in soil

Distribution among environmental compartments : no data available

12.5 Results of PBT and vPvB assessment

This mixture does not contain substances considered to be persistent, bioaccumulating and toxic (PBT)., This mixture does not contain substances considered to be very persistent and very bioaccumulating (vPvB).

12.6 Other adverse effects

Additional ecological information : slightly water endangering
Do not flush into surface water or sanitary sewer system.
Do not allow material to contaminate ground water system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.

Contaminated packaging : Dispose of as unused product.

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Waste Code : Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

SECTION 14: Transport information

ADR

UN number : 1950
UN proper shipping name : AEROSOLS Butane, Propane
Transport hazard class(es) : 2
Classification Code : 5F
Limited Quantity (LQ) Inner : 1.00 L
Packaging
Maximum quantity : 30.00 KG
Labels : 2.1
Tunnel restriction code : (D)
Environmentally hazardous : no

IATA

UN number : 1950
Description of the goods : Aerosols, flammable Butane, Propane
Class : 2.1
Labels : 2.1

IATA_C

Packing instruction (cargo aircraft) : 203
Packing instruction (LQ) : Y203
Maximum quantity : 150.00 KG
Environmentally hazardous : no

IATA_P

Packing instruction (passenger aircraft) : 203
Packing instruction (LQ) : Y203
Maximum quantity : 75.00 KG
Environmentally hazardous : no

IMDG

UN number : 1950
Description of the goods : AEROSOLS Butane, Propane
Class : 2.1
Labels : 2.1
EmS Number 1 : F-D
EmS Number 2 : S-U
Marine pollutant : no

RID

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| | |
|---------------------------------------|-----------------------------|
| UN number | : 1950 |
| Description of the goods | : AEROSOLS Butane , Propane |
| Transport hazard class(es) | : 2 |
| Classification Code | : 5F |
| Hazard Identification Number | : 23 |
| Labels | : 2.1 |
| Limited Quantity (LQ) Inner Packaging | : 1.00 L |
| Maximum quantity | : 30.00 KG |
| Environmentally hazardous | : no |

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59): This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Water contaminating class (Germany): WGK 1 slightly water endangering VVWS A4

Other regulations: The product is classified and labelled in accordance with EC directives or respective national laws. Regional or national implementations of GHS may not implement all hazard classes and categories.

: Classification / Labeling according to Directive 2008/47/EU.

15.2 Chemical Safety Assessment

For a mixture it is not mandatory to include an exposure scenario in the material safety data sheet. The necessary safety - related information is stated in the first 16 sections.

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3

| | |
|-----|---|
| R12 | Extremely flammable. |
| R65 | Harmful: may cause lung damage if swallowed. |
| R66 | Repeated exposure may cause skin dryness or cracking. |

Full text of H-Statements referred to under sections 2 and 3.

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| | |
|--------|---|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H304 | May be fatal if swallowed and enters airways. |

Full text of Notas referred to under section 3

| | |
|--------|--|
| Nota C | Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In Annex I, a general designation of the following type is sometimes used: "xylenol". In this case the manufacturer or any other person who markets such a substance must state on the label whether the substance is a specific isomer (a) or a mixture of isomers (b). Example: (a) 2,4-dimethylphenol (b) xyleneol (mixture of isomers). |
| Nota H | The classification and label shown for this substance applies to the dangerous property(ies) indicated by the risk phrase(s) in combination with the category(ies) of danger shown. The manufacturers, importers and downstream users of this substance shall be obliged to carry out an investigation to make themselves aware of the relevant and accessible data which exists for all other properties to classify and label the substance. The final label shall follow the requirements of section 7 of Annex VI of this Directive. |

Further information

The information provided is based on our current knowledge and experience and apply to the product as delivered. Regarding the product properties, these are not guaranteed. The delivery of this safety datasheet does not free the recipient of the product from his own responsibility to follow the relevant rules and regulations concerning this product.