

Productname : ROBSIL LUBOCOLOR **Creationdate :** 20.12.11 Version : 1.0
Ref.Nr.: BDS001041_3_20111220 **Replaces:** AB58110

2.2. Label elements

Safety-phrase(s) : S2: Keep out of the reach of children.
S23: Do not breathe vapours/spray.
S51: Use only in well-ventilated areas.
Special labelling provisions: Safety data sheet available on request.
Extra label elements according to Aerosol Dispenser Directive 75/324/EC: Pressurised 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.
10 % by mass of the contents are flammable.

2.3. Other hazards

None

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

No health or environmental hazardous components in concentrations exceeding the limits for classification as laid down in the European directive 99/45/EC.

Hazardous ingredient	CAS-nr.	EC-nr	w/w %	symbol	R-phrases*	Notes
tetrafluoroethane	811-97-2	212-377-0	75-100	-	-	B
1,1-Difluoroethane	75-37-6	200-866-1	5-10	F+	12	
Explanation notes						
B : substance with national established workplace exposure limit						

(* Explanation phrases : see chapter 16)

SECTION 4: First aid measures

4.1. Description of first aid measures

Contact with eyes : If substance has got into eyes, immediately wash out with plenty of water
Contact with skin : Wash with water and soap.
Inhalation : Fresh air, keep warm and at rest.
Ingestion : Ingestion is unlikely to occur
If swallowed accidentally, do not induce vomiting and seek medical advice.

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

Inhalation : No adverse health effects expected
Ingestion : Ingestion is unlikely to occur
May cause gastrointestinal disturbances



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Skin contact : Symptoms : sore throat, abdominal pain, nausea, vomiting
Repeated exposure may cause skin dryness or cracking.
Eye contact : No adverse health effects expected

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

General Advice : In case of accident or if you feel unwell, seek medical advice (show the label where possible)
If symptoms persist always call a doctor

SECTION 5: Firefighting measures

5.1. Extinguishing media

water, foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixture

Aerosols may explode if heated above 50°C
Forms hazardous decomposition products
CO,CO2
HF may be formed under condition of fire

5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water
In case of fire, do not breathe fumes

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources
Ensure adequate ventilation
Wear suitable protective clothing and gloves.

6.2. Environmental precautions

Do not allow to enter public sewers and watercourses

6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material
Wash spill site with water and detergent

6.4. Reference to other sections

For further information see section 8



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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat and sources of ignition
 Do not spray on a naked flame or incandescent material.
 Do not pierce or burn aerosols, even after use.
 Do not breathe aerosols or vapours.
 Ensure adequate ventilation
 Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
 Store in a well-ventilated place.
 Keep out of reach of children.

7.3. Specific end use(s)

Release Agents

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

Hazardous ingredient	CAS-nr.	method	
National established exposure limits, United Kingdom			
tetrafluoroethane	811-97-2	TWA	1000 ppm

8.2. Exposure controls

Control procedures : Ensure adequate ventilation
 Keep away from heat and sources of ignition

Personal protection : Take precautions to avoid contact with skin and eyes when handling the product.
 Ensure adequate ventilation

inhalation : In case of insufficient ventilation, wear suitable respiratory equipment.
 Air purifying respirator equipped with organic gas/vapor cartridge (type A or AX)

hands and skin : Wear suitable protective gloves
 (nitrile)

eyes : Wear safety goggles.

SECTION 9: Physical and chemical properties



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9.1. Information on basic physical and chemical properties

(for aerosols data for the product without propellant)

Apperance : physical state :	Liquid under pressure.
colour :	Colorless.
odour :	Neutral.
pH :	Not applicable.
Boiling point/range :	Not available.
Flash point :	> 100 °C
Evaporation rate :	Not available.
Explosion limits : upper limit :	Not available.
lower limit :	Not available.
Vapour pressure :	Not available.
Relative density :	1.15 g/cm ³ (@ 20°C).
Solubility in water :	Insoluble in water
Auto-ignition :	Not available.
Viscosity :	Not available.

9.2. Other information

VOC: blank

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known if used for its intended purpose

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

10.4. Conditions to avoid

Avoid overheating

10.5. Incompatible materials

Strong oxidising agent

10.6. Hazardous decomposition products

CO,CO₂
HF may be formed under condition of fire



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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation :	Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion :	May cause gastrointestinal disturbances
Skin contact :	May cause irritation.
Eye contact :	May cause irritation.

Toxicological data :

No information available

SECTION 12: Ecological information

12.1. Toxicity

not classified

Ecotoxicological data:

No information available

12.2. Persistence and degradability

No experimental data available

12.3. Bioaccumulative potential

No experimental data available

12.4. Mobility in soil

Insoluble in water

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

SECTION 13: Disposal considerations



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13.1. Waste treatment methods

Product : This material and its container must be disposed of in a safe way.
Do not discharge into drains or the environment, dispose to an authorised waste collection point.

Contaminated packaging : Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information

14.1. UN number

UN-number : 1950

14.2. UN proper shipping name

Proper shipping name: AEROSOLS, non flammable

14.3. Transport hazard class(es)

Class: 2.2
ADR/RID - Classification code: 5A

14.4. Packing group

Packing group: Not applicable.

14.5. Environmental hazards

ADR/RID - Environmentally hazardous: No
IMDG - Marine pollutant: No
IATA/ICAO - Environmentally hazardous: No

14.6. Special precautions for user

ADR/RID - Tunnelcode: (E)
IMDG - Ems: F-D,S-U
IATA/ICAO - PAX: 203
IATA/ICAO - CAO: 203

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



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The Safety Data Sheet is compiled according to the current European requirements.
Dir. 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.
EU-directive 99/45/EC
Regulation (EC) No 1907/2006 (REACH)

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation risk-phrases: R12: Extremely flammable.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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