

TRADE NAME CRC 5-56 (SPRAY)

325 2206 MSDS

English Version

1. SUPPLIER/MANUFACTURER

CRC Industries Deutschland GmbH
Postfach 15 + 20
D-76473 Iffezheim

Tel./Emergency call: +7229-303-0 Fax: +7229-303-266

Characterisation of the product :

Mineral oil and additives dissolved in an aromate free hydrocarbon solvent. Spray can (aerosol), propellent carbon dioxide . Application: penetrating oil, multi purpose lubricant and corrosion protection and contact oil.

2. COMPOSITION AND INFORMATION ON COMPONENTS

<u>hazardous ingredient</u>	<u>CAS-nr</u>	<u>% weight</u>	<u>symbol</u>	<u>R-phrases</u>
hydrocarbon solvent, aromate-free	64742-47-8	30..100	Xn	65

(R65 is not relevant for aerosols)

3. HAZARD IDENTIFICATION

Health and Safety : Not Classified
Other hazards : Aerosols may explode if heated
above 50°C

4. FIRST AID MEASURES

General Advice : In case of unusual or
persistent symptoms always seek for
medical advice.
Contact with eyes : If substance has got into eyes,
immediately wash out with plenty of water
for several minutes
Contact with skin : Wash with water and soap.
Inhalation : Remove patient to fresh air
Ingestion : Do not induce vomiting
Seek medical advice

MATERIAL SAFETY DATA SHEET ACCORDING TO DIRECTIVE 91/155/EEC page 2
CRC Industries Deutschland GmbH creation date 27.05.99

TRADE NAME CRC 5-56 (SPRAY)

5. FIRE-FIGHTING MEASURES

- Flash point : 78 °C
- Extinguishing media : foam, carbon dioxide or dry agent
water fog
- Fire-fighting procedures: Keep container(s) exposed to fire cool, by spraying with water
- Unusual exposure hazard : Aerosols may explode if heated above 50°C.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Shut off all ignition sources
Ensure adequate ventilation
- Environmental precautions : Do not allow to enter public sewers and watercourses
- Cleaning methods : Remove with non-flammable liquid absorbing material.

7. HANDLING AND STORAGE

- Handling procedures : Use only in well ventilated areas (S51)
Keep away from heat and sources of ignition
Protect containers from direct sunlight and do not expose to temperatures exceeding 50°C.
- Storage procedures : Keep out of reach of children (S2)
Take care of storage regulations according to TRG 300 (Germany).

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

- Control procedures : Use only in well ventilated areas (S51)
Keep away from heat and sources of ignition
- Personal protection
inhalation : Use only in well ventilated areas (S51)
hands and skin : If large amounts are used wear

MATERIAL SAFETY DATA SHEET ACCORDING TO DIRECTIVE 91/155/EEC page 3
CRC Industries Deutschland GmbH creation date 27.05.99

TRADE NAME CRC 5-56 (SPRAY)

suitable protective gloves.
eyes : Wear goggles giving complete eye protection

Exposure limits	component	cas-no.	MAK-value	unit
	hydrocarbon solvent	64742-47-8	200*	ppm
	*hydrocarbon group 1, TRGS 900 (Germany)			

9. PHYSICAL AND CHEMICAL PROPERTIES

Apperance : physical state : aerosol can
 colour : amber
 odour : Characteristic odour

Melting point/range : <-20 °C

Boiling point/range : 190..500 °C

Relative density : 0,83 (at 20°C, water=1)

pH : Not applicable

Vapour pressure : 0,3 kPa (at 20 °C)
Can pressure (Aerosols) : 680 kPa (at 20°C)

Relative vapour density : 6 (at 20°C, air=1)

Solubility in water : miscible

Flash point : 78 °C

Auto-ignition : >250 °C

Viscosity : < 10 mPas (at 20°C)

10. STABILITY AND REACTIVITY

Conditions to be avoided : Protect containers from direct sunlight and do not expose to temperatures exceeding 50°C.
 Keep away from sources of ignition - No Smoking (S16)

Materials to be avoided : Strong oxidising agent

Hazardous decomposition compounds : soot, hydrocarbon crack-products sulphur dioxide

MATERIAL SAFETY DATA SHEET ACCORDING TO DIRECTIVE 91/155/EEC page 4
 CRC Industries Deutschland GmbH creation date 27.05.99

TRADE NAME CRC 5-56 (SPRAY)

11. TOXICOLOGICAL INFORMATION

- Inhalation** : Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
- Ingestion** : After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.
- Skin contact** : Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
- Eye contact** : May cause irritations

Toxicological data

component	CAS-nr	method	value	unit
hydrocarbon solvent	64742-47-8	LD50 oral rat	20000	mg/kg
		LD50 perc. rabbit	4000	mg/kg
		LC50 inhal. rat	>14	g/m ³

12. ECOLOGICAL INFORMATION

Other adverse effects : WHG class 2 (Germany). Do not allow to enter public sewers and watercourses.

does not contain heavy metal compounds
 does not contain halogenated organic compounds, does not induce AOX

13. WASTE DISPOSAL

National regulations : Disposal should be in accordance with local, state or national legislation
 waste code 150104 (packaging material, metal)
 waste code 130202 (non-chlorinated engine-, gear- and lubricating oils)
 Green point (Germany), empty containers completely before disposal.

14. TRANSPORT

UN-Number : 1950

MATERIAL SAFETY DATA SHEET ACCORDING TO DIRECTIVE 91/155/EEC page 5
 CRC Industries Deutschland GmbH creation date 27.05.99

TRADE NAME CRC 5-56 (SPRAY)

Road/Rail (ADR/RID)	: class 2, cipher 5F shipping name : aerosols
Air (IATA-DGR)	: class 2.1, packing group not applicable hazard label : flammable gas shipping name : aerosols, flammable
Sea (IMDG-Code)	: class 2 packing group : not applicable marine pollutant : non EMS-No. 2-13, MFAG-No. 620 shipping name : aerosols

15. REGULATORY INFORMATION

Warning symbol(s)	: Not applicable
Risk-phrase(s)	: Not applicable
Safety-phrase(s)	: Keep out of reach of children (S2) Do not breathe gas/fumes/vapour/spray (S23) Use only in well ventilated areas (S51)

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.

16. OTHER INFORMATION

The information contained herein is based on the present state of our knowledge and intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

Editor: Departement Technik, Jürgen Peschik