

CRC Industries UK Ltd.
 Castlefield Industrial Estate, Wylds Rd,
 Bridgwater,
 Somerset, UK, TA64DD
 Tel.: (+44)(0)1278 727200 Fax: (+44)(0)1278
 425644



Material Safety Data Sheet

EU-Directive 2001/58

Productname : BRAKE CLEANER
Ref.Nr.: UK10437-3-060407
Creationdate : 06.04.07
Replaces: 08.06.06

1. IDENTIFICATION OF PRODUCT AND COMPANY

Productname : BRAKE CLEANER
 Aerosol

Application : Cleaners - Precision

Company CRC Industries UK Ltd.
 : Castlefield Industrial
 Estate, Wylds Rd,
 Bridgwater,
 Somerset,
 UK, TA64DD
 Tel.: (+44)(0)1278 727200
 Fax: (+44)(0)1278 425644
 E-mail :
<mailto:msds@crcind.com>

In case of emergency : (+44)(0)1278 727200

Subsidiaries		Tel	Fax
CRC Industries Europe	Touwslagerstraat 1 9240 Zele Belgium	(+32) (0) 52 / 45 60 11	(+32) (0) 52 / 45 00 34
CRC Industries Finland	Asemanrinne 13, 08500 Lohja AS	(+358)(0)19/32921	(+358)(0)19/383676
CRC Industries France	12, Bld des Martyrs de Chateaubriant F-95102 Argenteuil Cédex	(+33)(0)1/34112000	(+33)(0)1/34110996
CRC Industries Deutschland	Südring 9, 76473 Iffezheim	(+49)(0)7229/3030	(+49)(0)7229/303266
CRC Industries Iberia	Gremio del cuero S/N, 40195 Segovia	(+34)921/427546	(+34)921/436270

CRC Industries Sweden

Kryptogatan 14, 43153 Mölndal

(+46)(0)31/7068480

(+46)(0)31/273991

2. COMPOSITION AND INFORMATION ON COMPONENTS

Hazardous ingredient	CAS-nr	EINECS	w/w %	symbol	R-phrases*
carbon dioxide	124-38-9	204-696-9	5-10	-	-
Naphtha (petroleum), hydrotreated light (benzene<0.1%)	64742-49-0	265-151-9	30-60	F,Xn,N	11-38-51/53-65-67
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	200-661-7	<10	F,Xi	11-36-67
acetone; propan-2-one; propanone	67-64-1	200-662-2	<10	F,Xi	11-36-66-67
Naphtha (petroleum), hydrodesulfurized light (benzene<0.1%)	92045-53-9	295-434-2	30-60	F,Xn,N	11-38-51/53-65-67

Note H and P of Annex I (67/548/EEC) apply for the naphtha's in this product.

(* Explanation risk-phrases : see chapter 16)

3. HAZARD IDENTIFICATION

Health and Safety : Highly Flammable

Irritating to skin.

Vapours may cause drowsiness and dizziness.

Remark: Preparations classified as harmful on the basis of an aspiration hazard need not be labelled as harmful with R65 when placed on the market in aerosol containers or in containers fitted with a sealed spray attachment. (EU-Directive 67/548 Annex VI 9.4)

Environment : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Other hazards : 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.

4. FIRST AID MEASURES

General Advice : The usual precautions for handling chemicals should be observed
If any symptoms should occur, seek medical advice.

Contact with eyes : If substance has got into eyes, immediately wash out with plenty of water

Contact with skin : Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water
Seek medical advice

Inhalation : Fresh air, keep warm and at rest.
Seek medical attention if ill effects occur

Ingestion : Ingestion is unlikely to occur
If swallowed do not induce vomiting because of risk of aspiration into the lungs.
If aspiration is suspected obtain immediate medical attention

5. FIRE-FIGHTING MEASURES

Flash point (without propellant): < 0 °C (Closed Cup)

Explosion limits : upper limit : not available

lower limit : not available

Extinguishing media : foam, carbon dioxide or dry agent

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
Wear suitable protective clothing and gloves.

Environmental precautions : Do not allow to enter public sewers and watercourses
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

Cleaning methods : Absorb spillage in suitable inert material

7. HANDLING AND STORAGE

Handling procedures : Use only in well ventilated areas
 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.
 Avoid contact with skin and eyes.

Storage procedures : Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
 Keep in a cool, dry, well ventilated place
 Keep out of reach of children.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Control procedures : Ensure adequate ventilation
 Shut off all ignition sources
 Take precautionary measures against static discharges

Personal protection : It is advisable to take precautions to avoid contact with skin and eyes when handling the product.
 Use only in well ventilated areas

inhalation : In case of insufficient ventilation, wear suitable respiratory equipment.
 (Filter type A)

hands and skin : Wear suitable protective gloves
 (nitrile)
 (neoprene)

eyes : Wear safety goggles.

Exposure limits :

Hazardous ingredient	CAS-nr	method	
EU established exposure limits:			
carbon dioxide	124-38-9	TWA	5000 ppm
acetone; propan-2-one; propanone	67-64-1	TWA	500 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES (for aerosols without propellant)

Apperance : physical state : CO2 propelled liquid

colour colourless

:

odour solvent

:

Melting point/range : <-30 °C

Boiling point/range : 55-120 °C

Relative density : 0.716 g/cm³ (@ 20°C)

pH : not applicable

Vapour pressure : not available

Relative vapour density : 3 (@ 20°C)

Solubility in water : Insoluble in water

Flash point : < 0 °C (Closed Cup)

Auto-ignition : > 200 °C

Viscosity : not available

Evaporation rate : 2.8 (Ether=1)

10. STABILITY AND REACTIVITY

Conditions to be avoided : Pressurized container :
protect from sunlight
and do not expose to
temperatures exceeding
50°C.

Materials to be avoided : Strong oxidising agent

Hazardous decomposition compounds : CO,CO₂

11. TOXICOLOGICAL INFORMATION

Inhalation : Inhalation of solvent vapours may give rise
to nausea, headaches and dizziness

Ingestion : Ingestion is unlikely to occur
After vomiting of swallowed product
aspiration into lungs is likely. Solvents may
induce chemical pneumonia.

Skin contact : Irritating to skin

Eye contact : Irritant

12. ECOLOGICAL INFORMATION

Other adverse effects : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Do not allow to enter public sewers and watercourses

13. WASTE DISPOSAL

Product : Do not empty into drains.
This material and its container must be disposed of in a safe way.

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

14. TRANSPORT

UN-number : 1950

Road/Rail - ADR/RID : UN1950 Aerosols Class : 2,
PG : NA, Class code : 5F,
Label : 2.1

Sea - IMDG : UN1950 Aerosols Ltd Qty Class : 2.1, PG : NA, Label : 2.1

EmS F-D,S-U

Air - IATA/ICAO : UN1950 Aerosols, flammable Class : 2.1, PG : NA, Label : RFG

Packing Y203
instr.
LQ

PAX 203

CAO 203

15. REGULATORY INFORMATION

Warning symbol(s) : F,Xi,N

Risk-phrase(s) : R11: Highly flammable.
R38: Irritating to skin.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67: Vapours may cause drowsiness and dizziness.

Safety-phrase(s) : S2: Keep out of the reach of children.
 S16: Keep away from sources of ignition - No smoking.
 S23: Do not breathe spray.
 S35: This material and its container must be disposed of in a safe way.
 S51: Use only in well-ventilated areas.

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. Without adequate ventilation formation of explosive mixtures may be possible.

Remark: Preparations classified as harmful on the basis of an aspiration hazard need not be labelled as harmful with R65 when placed on the market in aerosol containers or in containers fitted with a sealed spray attachment. (EU-Directive 67/548 Annex VI 9.4)

Regulation (EC) No 648/2004 on detergents:

aliphatic >
 hydrocarbons 30
 %

16. OTHER INFORMATION

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.

Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC.

REVISIONS IN CHAPTRE : 2,8

***Explanation risk-phrases:** R11: Highly flammable.
 R36: Irritating to eyes.
 R38: Irritating to skin.
 R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R65: Harmful: may cause lung damage if swallowed.
 R66: Repeated exposure may cause skin dryness or cracking.
 R67: Vapours may cause drowsiness and dizziness.

This Material Safety Data Sheet may already have been revised at this moment for reason such as legislation, availability of components and newly acquired experiences. The latest and only valid version of this Material Safety Data Sheet will be sent to you upon simple request or can be found on our website : www.crcind.com. We recommend you to register on this website for this product so you will be able to receive any future updated version automatically.