

Productname : gs5 Gasket Stripper
Ref.Nr.: BDS000715_3_20140826 (EN)

Creationdate : 26.08.14 Version : 1.0
Replaces:

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

1.1. Product identifier

gs5 Gasket Stripper
Aerosol

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

Cleaners - Heavy duty

1.3. Details of the supplier of the safety data sheet

CRC Industries UK Ltd.
Ambersil House - Wylds Road
Castlefield Industrial Estate
TA6 4DD Bridgwater Somerset
United Kingdom
Tel.: +44 1278 727200
Fax.: +44 1278 425644
E-mail : hse.uk@crcind.com

1.4. Emergency telephone number

(+44)(0)1278 72 7200

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical:	Aerosol, category 3 Pressurised container: May burst if heated.
Health:	Skin irritation, category 2 Causes skin irritation. Eye irritation, category 2 Causes serious eye irritation. Carcinogenicity, category 2 Suspected of causing cancer . Specific target organ toxicity - single exposure, category 3 May cause respiratory irritation. May cause drowsiness or dizziness. Specific Target Organ Toxicity - Repeated Exposure Category 2 May cause damage to organs through prolonged or repeated exposure .

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Environment: Hazardous to the aquatic environment, chronic category 3
Harmful to aquatic life with long lasting effects.

Other hazards : 14 % by mass of the contents are flammable.
Contains fluorinated greenhouse gases:
HFC-134a

Classification according to 67/548/EEC or 1999/45/EC:

Xn : HARMFUL

Health: R40: Limited evidence of a carcinogenic effect.

Physical: R30: Can become highly flammable in use.

Environment: R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier: Contains:
dichloromethane; methylene chloride

Hazard pictogram(s):



Signal word: Warning

Hazard statement(s): H229 : Pressurised container: May burst if heated.
H315 : Causes skin irritation.
H319 : Causes serious eye irritation.
H351 : Suspected of causing cancer .
H335 : May cause respiratory irritation.
H336 : May cause drowsiness or dizziness.
H373 : May cause damage to organs through prolonged or repeated exposure

Precautionary statement(s): H412 : Harmful to aquatic life with long lasting effects.
P102 : Keep out of reach of children.
P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251 : Do not pierce or burn, even after use.
P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 : Use only outdoors or in a well-ventilated area.
P280 : Wear protective gloves/protective clothing/eye protection/face protection.
P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501-2 : Dispose of contents/container to an authorised waste collection point.

Supplemental Hazard information: 14 % by mass of the contents are flammable.
Contains fluorinated greenhouse gases:
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2.3. Other hazards

Methylene chloride is classified as carcinogenic Cat.2

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Excessive inhalation of vapours may give rise to irritation and affect the nervous system
 May form explosive mixtures with air

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Hazardous ingredient	CAS-nr.	EC-nr	w/w %	symbol	R-phrases*	Notes
dichloromethane; methylene chloride	75-09-2	200-838-9	50-75	Xn	40	
tetrafluoroethane	811-97-2	212-377-0	10-25	-	-	B
Solvent naphtha (petroleum), heavy arom. (benzene<0.1%)	64742-94-5	918-811-1	5-10	Xn,N	51/53-65-66-67	
ethanol; ethyl alcohol	64-17-5	200-578-6	<9	F	11	B
carbon dioxide	124-38-9	204-696-9	1-5	-	-	A,G
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	200-661-7	0-1	F,Xi	11-36-67	B

Explanation notes

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

G : exempted from the obligation to register in accordance with art.2(7)(a)of REACH Regulation No 1907/2006

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
dichloromethane; methylene chloride	01-2119480404-41	75-09-2	200-838-9	50-75	Skin Irrit. 2, Eye Irrit. 2, Carc. 2, STOT SE 3, STOT RE 2	H315,H319,H351,H335,H336,H373	
tetrafluoroethane	01-2119459374-33	811-97-2	212-377-0	10-25	Press. Gas	H280	B
Solvent naphtha (petroleum), heavy arom. (benzene<0.1%)	01-2119463583-34	64742-94-5	918-811-1	5-10	STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2	H336,H304,H411	
ethanol; ethyl alcohol	01-2119457610-43	64-17-5	200-578-6	<9	Flam. Liq. 2	H225	B
carbon dioxide		124-38-9	204-696-9	1-5	Press. Gas	H280	A,G
propan-2-ol; isopropyl alcohol ;isopropanol	01-2119457558-25	67-63-0	200-661-7	0-1	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225,H319,H336	B

Explanation notes

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

G : exempted from the obligation to register in accordance with art.2(7)(a)of REACH Regulation No 1907/2006

(* Explanation phrases : see chapter 16)

SECTION 4: First aid measures

4.1. Description of first aid measures

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Contact with eyes :	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Contact with skin :	Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Inhalation :	IF INHALED: Remove person to fresh air and keep comfortable for breathing. If breathing is difficult give oxygen Apply artificial respiration only if patient is not breathing IF exposed or concerned: Get medical advice/attention.
Ingestion :	Do not induce vomiting Rinse mouth with water (do not swallow) If swallowed seek medical advice immediately and show this container or label.

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

Inhalation :	Irritating to respiratory system High concentrations may cause narcotic effects. Symptoms : sore throat, cough, shortness of breath, severe breathing difficulties, headache
Ingestion :	After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia. Symptoms : abdominal pain, dizziness, diarrhea, cough, headache
Skin contact :	Irritating to skin Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis Symptoms : redness and pain
Eye contact :	Irritating to eyes Symptoms : redness and pain

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

General Advice :	If any symptoms should occur, seek medical advice. If you feel unwell, seek medical advice (show the label where possible) Methylene chloride is classified as carcinogenic Cat.2 In case of repeated exposures, regular medical examination is advised
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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,HCl
chlorinated compounds

5.3. Advice for firefighters

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Replaces:

Keep container(s) exposed to fire cool, by spraying with water
In case of fire, do not breathe fumes
Substance evolves toxic fumes, wear self-contained breathing apparatus

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Stop leak if safe to do so.
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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat and sources of ignition
Take precautionary measures against static discharges
Equipment should be earthed
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.
Wash thoroughly after use
Wear protective gloves/protective clothing/eye protection/face protection.
Eyewash bottles should be available

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 container tightly closed.
Keep out of reach of children.

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7.3. Specific end use(s)

Cleaners - Heavy duty

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

Hazardous ingredient	CAS-nr.	method	
EU established exposure limits:			
carbon dioxide	124-38-9	TWA	5000 ppm
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	TWA	400 ppm
		STEL	500 ppm
National established exposure limits, United Kingdom			
carbon dioxide	124-38-9	TWA	5000 ppm
		STEL	15000 ppm
ethanol; ethyl alcohol	64-17-5	TWA	1000 ppm
dichloromethane; methylene chloride	75-09-2	TWA	100 ppm
		STEL	300 ppm
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 :	Wear protective gloves/protective clothing/eye protection/face protection. 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 against chemicals (polyvinylalcohol)
eyes :	Wear safety goggles.

SECTION 9: Physical and chemical properties

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 :	Solvent.
pH :	Not applicable.
Boiling point/range :	Not available.
Flash point :	None

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Evaporation rate : Not available.
Explosion limits : upper limit : Not available.
lower limit : Not available.
Vapour pressure : Not available.
Relative density : 1.18 (@ 20°C).
Solubility in water : Insoluble in water
Auto-ignition : > 200 °C
Viscosity : 80 mPa.s (@ 20°C).

9.2. Other information

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

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
Avoid overheating

10.5. Incompatible materials

Strong oxidising agent

10.6. Hazardous decomposition products

CO,CO₂,HCl
traces of chlorine and phogene

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Limited evidence of a carcinogenic effect

Inhalation : Irritating to respiratory system
High concentrations may cause narcotic effects.

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

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Replaces:

Skin contact : Irritating to skin
 Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis

Eye contact : Irritating to eyes

Toxicological data :

Hazardous ingredient	CAS-nr.	method	
ethanol; ethyl alcohol	64-17-5	LD50 oral rat	> 2000 mg/kg
		LD50 derm.rabit	> 2000 mg/kg
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	LD50 oral rat	> 5000 mg/kg
		LC50 inhal.rat	> 20 mg/l
		LD50 derm.rabit	> 5000 mg/kg
dichloromethane; methylene chloride	75-09-2	LD50 oral rat	> 2000 mg/kg
		LD50 derm.rat	> 2000 mg/kg
tetrafluoroethane	811-97-2	LC50 inhal.rat	567000 ppm
Solvent naphtha (petroleum), heavy arom. (benzene<0.1%)	64742-94-5	LD50 oral rat	> 5000 mg/kg
		LD50 derm.rabit	> 2000 mg/kg

May cause damage to organs through prolonged or repeated exposure .
 Methylene chloride is classified as carcinogenic Cat.2

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, chronic category 3
 Harmful to aquatic life with long lasting effects.

Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
ethanol; ethyl alcohol	64-17-5	LC50 fish	> 100 mg/l
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	IC50 algae	> 1000 mg/l
		LC50 fish	> 1000 mg/l
		EC50 daphnia	> 1000 mg/l
dichloromethane; methylene chloride	75-09-2	IC50 algae	> 662 mg/l
		LC50 fish	193 mg/l
		EC50 daphnia	480 mg/l
tetrafluoroethane	811-97-2	LC50 fish	450 mg/l
		EC50 daphnia	980 mg/l
Solvent naphtha (petroleum), heavy arom. (benzene<0.1%)	64742-94-5	IC50 algae	> 10 mg/l
		LC50 fish	2-5 mg/l
		EC50 daphnia	3-10 mg/l

12.2. Persistence and degradability

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Replaces:

No experimental data available

12.3. Bioaccumulative potential

no bioaccumulation expected

12.4. Mobility in soil

Insoluble in water

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

SECTION 13: Disposal considerations

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

14.3. Transport hazard class(es)

Class: 2.1
ADR/RID - Classification code: 5F

14.4. Packing group

Packing group: Not applicable.

14.5. Environmental hazards

ADR/RID - Environmentally hazardous: No

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

14.6. Special precautions for user

ADR/RID - Tunnelcode: (D)
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

The Safety Data Sheet is compiled according to the current European requirements.
Dir. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.
Regulation (EC) No 1907/2006 (REACH)
EU-directive 99/45/EC
Regulation (EC) No 1272/2008 (CLP)

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation risk-phrases: R11: Highly flammable.
R36: Irritating to eyes.
R40: Limited evidence of a carcinogenic effect.
R65: Harmful: may cause lung damage if swallowed.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

*Explanation hazard statements: H225 : Highly flammable liquid and vapour.
H280 : Contains gas under pressure; may explode if heated.
H304 : May be fatal if swallowed and enters airways.
H315 : Causes skin irritation.
H319 : Causes serious eye irritation.
H335 : May cause respiratory irritation.
H336 : May cause drowsiness or dizziness.
H351 : Suspected of causing cancer .
H373 : May cause damage to organs through prolonged or repeated exposure .
H411 : Toxic to aquatic life with long lasting effects.

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

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