

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 10.02.2018

Version number 20

Revision: 10.02.2018

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

**1.1 Product identifier**

**Trade name:** GRIFFON HCR-36 CLEANER TIN 500ML\*2 L292

**CAS Number:**  
75-09-2

**EC number:**  
200-838-9

**Index number:**  
602-004-00-3

**Registration number** 01-2119480404-41

**1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.

**Application of the substance / the mixture** Cleaning agent/ Cleaner

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer(1)/Supplier(2):**

1

Bison International  
Dr.A.F.Philipsstraat 9  
NL-4462 EW Goes  
PO Box 160  
NL-4460 AD Goes  
tel. +31 88 3235700  
fax. +31 88 3235800  
e mail: sds@boltonadhesives.com

**Further information obtainable from:** Bison QESH

**1.4 Emergency telephone number:** +31 88 3235700

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

Carc. 2 H351 Suspected of causing cancer.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.

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**Hazard pictograms**



GHS07 GHS08

**Signal word** Warning

**Hazard-determining components of labelling:**

dichloromethane

**Hazard statements**

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H351 Suspected of causing cancer.
- H336 May cause drowsiness or dizziness.

**Precautionary statements**

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P261 Avoid breathing vapours.
- P281 Use personal protective equipment as required.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with national regulations.

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

- PBT:** Not applicable.
- vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

**CAS No. Description**

75-09-2 dichloromethane

**Identification number(s)**

**EC number:** 200-838-9

**Index number:** 602-004-00-3

**Dangerous components:**

CAS: 75-09-2	dichloromethane	50-100%
EINECS: 200-838-9	☠ Carc. 2, H351; ☠ Skin Irrit. 2, H315; Eye Irrit. 2, H319;	
Reg.nr.: 01-2119480404-41	STOT SE 3, H336	

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information:** No special measures required.

**After inhalation:**

In case of unconsciousness place patient stable in side position for transportation.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

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- . **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- . **After swallowing:** Do not induce vomiting; call for medical help immediately.
- . **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- . **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- . **5.1 Extinguishing media**
- . **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- . **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- . **5.3 Advice for firefighters**
- . **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- . **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- . **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- . **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- . **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- . **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- . **Information about fire - and explosion protection:** Keep respiratory protective device available.
- . **7.2 Conditions for safe storage, including any incompatibilities**
- . **Storage:**
- . **Requirements to be met by storerooms and receptacles:** No special requirements.
- . **Information about storage in one common storage facility:** Not required.
- . **Further information about storage conditions:** Keep receptacle tightly sealed.
- . **7.3 Specific end use(s)** No further relevant information available.

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**SECTION 8: Exposure controls/personal protection**

. **Additional information about design of technical facilities:** No further data; see item 7.

. **8.1 Control parameters**

. **Ingredients with limit values that require monitoring at the workplace:**

**75-09-2 dichloromethane**

WEL (Great Britain)	Short-term value: 1060 mg/m <sup>3</sup> , 300 ppm Long-term value: 350 mg/m <sup>3</sup> , 100 ppm BMGV, Sk
IOELV (European Union)	Short-term value: 706 mg/m <sup>3</sup> , 200 ppm Long-term value: 353 mg/m <sup>3</sup> , 100 ppm Skin

. **Ingredients with biological limit values:**

**75-09-2 dichloromethane**

BMGV (Great Britain)	30 ppm Medium: end-tidal breath Sampling time: post shift Parameter: carbon monoxide
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. **Additional information:** The lists valid during the making were used as basis.

. **8.2 Exposure controls**

. **Personal protective equipment:**

. **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

. **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

. **Recommended filter device for short term use:** Filter AX

. **Protection of hands:**

Protective gloves

PVA gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

. **Material of gloves**

Recommended thickness of the material: NA

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

PVA gloves

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**. Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: Level 6).

**. Eye protection:**



Tightly sealed goggles

**. Body protection:** Use protective suit.

**SECTION 9: Physical and chemical properties**

**. 9.1 Information on basic physical and chemical properties**

**. General Information**

**. Appearance:**

**Form:** Fluid

**Colour:** Colourless

**. Odour:** Like chlorine

**. Odour threshold:** Not determined.

**. pH-value:** Not determined.

**. Change in condition**

**Melting point/freezing point:** -95.1 °C

**Initial boiling point and boiling range:** 40 °C

**. Flash point:** Not applicable.

**. Flammability (solid, gas):** Not applicable.

**. Ignition temperature:** 605 °C

**. Decomposition temperature:** Not determined.

**. Auto-ignition temperature:** Not determined.

**. Explosive properties:** Product does not present an explosion hazard.

**. Explosion limits:**

**Lower:** 13 Vol %

**Upper:** 22 Vol %

**. Vapour pressure at 20 °C:** 453 hPa

**. Density at 20 °C:** 1.33 g/cm<sup>3</sup>

**. Relative density** Not determined.

**. Vapour density** Not determined.

**. Evaporation rate** Not determined.

**. Solubility in / Miscibility with**

**water at 20 °C:** 20 g/l

**. Partition coefficient: n-octanol/water:** Not determined.

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- . **Viscosity:**
  - Dynamic at 20 °C:** 0.43 mPas
  - Kinematic:** Not determined.
  - Organis solvents:** 100.0 %
- . **9.2 Other information** All relevant physical data were determined for the mixture. All non-determined data are not measurable or not relevant for the characterization of the mixture.

### SECTION 10: Stability and reactivity

- . **10.1 Reactivity** No further relevant information available.
- . **10.2 Chemical stability**
  - . **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- . **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- . **10.4 Conditions to avoid** No further relevant information available.
- . **10.5 Incompatible materials:** No further relevant information available.
- . **10.6 Hazardous decomposition products:** Danger of forming toxic pyrolysis products.

### SECTION 11: Toxicological information

- . **11.1 Information on toxicological effects**
  - . **Acute toxicity** Based on available data, the classification criteria are not met.

- . **LD/LC50 values relevant for classification:**

**75-09-2 dichloromethane**

Oral	LD50	2,136 mg/kg (rat)
Inhalative	LC50/4 h	88 mg/l (rat)

- . **Primary irritant effect:**
  - . **Skin corrosion/irritation** Causes skin irritation.
  - . **Serious eye damage/irritation** Causes serious eye irritation.
- . **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- . **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
  - . **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - . **Carcinogenicity** Suspected of causing cancer.
  - . **Reproductive toxicity** Based on available data, the classification criteria are not met.
- . **STOT-single exposure** May cause drowsiness or dizziness.
- . **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- . **Aspiration hazard** Based on available data, the classification criteria are not met.

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**SECTION 12: Ecological information**

- . **12.1 Toxicity**
- . **Aquatic toxicity:** No further relevant information available.
- . **12.2 Persistence and degradability** No further relevant information available.
- . **12.3 Bioaccumulative potential** No further relevant information available.
- . **12.4 Mobility in soil** No further relevant information available.
- . **Additional ecological information:**
- . **General notes:**  
Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water  
Danger to drinking water if even small quantities leak into the ground.
- . **12.5 Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

- . **13.1 Waste treatment methods**
- . **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- . **Uncleaned packaging:**
- . **Recommendation:**  
Disposal must be made according to official regulations.  
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

**SECTION 14: Transport information**

- |   |                            |
|---|----------------------------|
| . <b>14.1 UN-Number</b>   |                            |
| . <b>ADR/ADN, IMDG, IATA</b>  | UN1593                     |
| . <b>14.2 UN proper shipping name</b>   |                            |
| . <b>ADR/ADN</b>  | 1593 DICHLOROMETHANE       |
| . <b>IMDG, IATA</b>   | DICHLOROMETHANE            |
| . <b>14.3 Transport hazard class(es)</b>  |                            |
| . <b>ADR/ADN</b>  |                            |
|  |                            |
| . <b>Class</b>  | 6.1 (T1) Toxic substances. |

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. Label	6.1
. IMDG, IATA	
	
. Class	6.1 Toxic substances.
. Label	6.1
. 14.4 Packing group	
. ADR/ADN, IMDG, IATA	III
. 14.5 Environmental hazards:	
. Marine pollutant:	No
. 14.6 Special precautions for user	
. Danger code (Kemler):	Warning: Toxic substances. 60
. EMS Number:	F-A,S-A
. Segregation groups	Liquid halogenated hydrocarbons
. Stowage Category	A
. 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	
Not applicable.	
. Transport/Additional information:	
. ADR/ADN	
. Limited quantities (LQ)	5L
. Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
. Transport category	2
. Tunnel restriction code	E
. IMDG	
. Limited quantities (LQ)	5L
. Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
. Remarks:	Under certain conditions substances in Class 3 (flammable liquids) can be classified in packinggroup III. See IMDG, Part 2, Chapter 2.3, Paragraph 2.3.2.2
. UN "Model Regulation":	UN 1593 DICHLOROMETHANE, 6.1, III

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### SECTION 15: Regulatory information

- . **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- . **Directive 2012/18/EU**
- . **Named dangerous substances - ANNEX I** Substance is not listed.
- . **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 59
- . **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- . **Relevant phrases**

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H351 Suspected of causing cancer.

- . **Department issuing SDS:** Bison QESH

- . **Contact:** Reach coördinator

- . **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Carc. 2: Carcinogenicity – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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