

Safety Data Sheet acc. to OSHA HCS

Printing date 05/24/2019

Reviewed on 05/24/2019

1 Identification

- **Product identifier**
- **Trade name:** GRIFFON PE CLEANER SPECIAL WIPES DIS 100*6 L169
- **CAS Number:**
64-17-5
- **EC number:**
200-578-6
- **Index number:**
603-002-00-5
- **Application of the substance / the mixture** Cleaning agent/ Cleaner
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
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
- **Information department:** Bison QESH
- **Emergency telephone number:** +31 88 3235700. Operating hours mo-fr 08:00h-17:00h (CET)

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Carc. 1A H350 May cause cancer.

- **Label elements**

- **GHS label elements**

The substance is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02 GHS08

- **Signal word** Danger

- **Hazard-determining components of labeling:**

ethanol

(Contd. on page 2)

US-US


Safety Data Sheet acc. to OSHA HCS

Printing date 05/24/2019

Reviewed on 05/24/2019

Trade name: GRIFFON PE CLEANER SPECIAL WIPES DIS 100*6 L169

(Contd. of page 1)

- **Hazard statements**
H225 Highly flammable liquid and vapor.
H350 May cause cancer.
- **Precautionary statements**
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P370+P378 In case of fire: Use to extinguish: Water haze, Alcohol resistant foam, Fire-extinguishing powder, Carbon dioxide.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with national regulations.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**

 - Health = 0
 - Fire = 3
 - Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**

HEALTH	0
FIRE	3
REACTIVITY	0

 - Health = *0
 - Fire = 3
 - Reactivity = 0
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description**
64-17-5 ethanol
- **Identification number(s)**
- **EC number:** 200-578-6
- **Index number:** 603-002-00-5

· **Dangerous components:**

64-17-5	ethanol	50-100%
---------	---------	---------

4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:**
Supply fresh air; consult doctor in case of complaints.
No special measures required.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

(Contd. on page 3)

US-US

Safety Data Sheet acc. to OSHA HCS

Printing date 05/24/2019

Reviewed on 05/24/2019

Trade name: GRIFFON PE CLEANER SPECIAL WIPES DIS 100*6 L169

(Contd. of page 2)

- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Water haze
Alcohol resistant foam
Fire-extinguishing powder
Carbon dioxide
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**
No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Send for recovery or disposal in suitable receptacles.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **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.
- **Protective Action Criteria for Chemicals**

· **PAC-1:**

64-17-5	ethanol	1,800 ppm
67-56-1	methanol	530 ppm

· **PAC-2:**

64-17-5	ethanol	3300* ppm
67-56-1	methanol	2,100 ppm

· **PAC-3:**

64-17-5	ethanol	15000* ppm
---------	---------	------------

(Contd. on page 4)

US-US

Safety Data Sheet acc. to OSHA HCS

Printing date 05/24/2019

Reviewed on 05/24/2019

Trade name: GRIFFON PE CLEANER SPECIAL WIPES DIS 100*6 L169

67-56-1 | methanol

(Contd. of page 3)

7200* ppm

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

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

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

64-17-5 ethanol

PEL	Long-term value: 1900 mg/m ³ , 1000 ppm
REL	Long-term value: 1900 mg/m ³ , 1000 ppm
TLV	Short-term value: 1880 mg/m ³ , 1000 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
- **Breathing equipment:** Not required.
- **Protection of hands:**
Solvent resistant gloves

(Contd. on page 5)

US-US

Safety Data Sheet acc. to OSHA HCS

Printing date 05/24/2019

Reviewed on 05/24/2019

Trade name: GRIFFON PE CLEANER SPECIAL WIPES DIS 100*6 L169

(Contd. of page 4)



Protective 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: > 0,12 mm

Nitrile rubber, NBR

· **Penetration time of glove material**

For the mixture of chemicals mentioned below the penetration time has to be at least 10 minutes (Permeation according to EN 374 Part 3: Level 1).

· **Eye protection:**



Tightly sealed goggles

Goggles recommended during refilling.

· **Body protection:** Solvent resistant protective clothing

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Liquid

Color: Clear

· **Odor:** Alcohol-like

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range: -89.5 °C (-129.1 °F)

Boiling point/Boiling range: 78 °C (172.4 °F)

· **Flash point:** 13 °C (55.4 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 425 °C (797 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Not determined.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:**

Lower: 3.5 Vol %

(Contd. on page 6)

US-US

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/24/2019

Reviewed on 05/24/2019

Trade name: GRIFFON PE CLEANER SPECIAL WIPES DIS 100*6 L169

(Contd. of page 5)

Upper:	15 Vol %
· Vapor pressure at 20 °C (68 °F):	59 hPa (44.3 mm Hg)
· Density at 20 °C (68 °F):	0.785 g/cm ³ (6.551 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water at 20 °C (68 °F):	1 g/l
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic at 20 °C (68 °F):	1.2 mPas
Kinematic:	Not determined.
Organic solvents:	63.8 %
VOC content:	63.80 %
· Solids content:	36.2 %
· 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.

10 Stability and reactivity

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

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

64-17-5 ethanol

Oral	LD50	7060 mg/kg (rat)
------	------	------------------

Inhalative	LC50/4 h	20000 mg/l (rat)
------------	----------	------------------

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

(Contd. on page 7)

US-US

Safety Data Sheet acc. to OSHA HCS

Printing date 05/24/2019

Reviewed on 05/24/2019

Trade name: GRIFFON PE CLEANER SPECIAL WIPES DIS 100*6 L169

(Contd. of page 6)

· **Additional toxicological information:**

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

1

· **NTP (National Toxicology Program)**

Substance is not listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

Substance is not listed.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (Assessment by list): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

· **Uncleaned packagings:**

· **Recommendation:**

Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

14 Transport information

· **UN-Number**

· **DOT, ADR/ADN, IMDG, IATA**

UN3175

(Contd. on page 8)

US-US

Safety Data Sheet acc. to OSHA HCS

Printing date 05/24/2019

Reviewed on 05/24/2019

Trade name: GRIFFON PE CLEANER SPECIAL WIPES DIS 100*6 L169

(Contd. of page 7)

<ul style="list-style-type: none"> · UN proper shipping name · DOT · ADR/ADN · IMDG · IATA 	Solids containing flammable liquid, n.o.s. (Ethanol) 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL)) SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL)) SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL)
--	--

<ul style="list-style-type: none"> · Transport hazard class(es) · DOT 	4.1 Flammable solids, self-reactive substances and solid desensitised explosives
<ul style="list-style-type: none"> · Class · Label 	4.1 4.1



<ul style="list-style-type: none"> · ADR/ADN 	4.1 (F1) Flammable solids, self-reactive substances and solid desensitised explosives
<ul style="list-style-type: none"> · Class · Label 	4.1 (F1) Flammable solids, self-reactive substances and solid desensitised explosives 4.1



<ul style="list-style-type: none"> · IMDG, IATA 	4.1 Flammable solids, self-reactive substances and solid desensitised explosives
<ul style="list-style-type: none"> · Class · Label 	4.1 Flammable solids, self-reactive substances and solid desensitised explosives 4.1



<ul style="list-style-type: none"> · Packing group · DOT, ADR/ADN, IMDG, IATA 	II
---	----

<ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: 	No
---	----

<ul style="list-style-type: none"> · Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Category 	Warning: Flammable solids, self-reactive substances and solid desensitised explosives 40 F-A,S-I B
--	---

<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	Not applicable.
--	-----------------

(Contd. on page 9)

US-US

Safety Data Sheet acc. to OSHA HCS

Printing date 05/24/2019

Reviewed on 05/24/2019

Trade name: GRIFFON PE CLEANER SPECIAL WIPES DIS 100*6 L169

(Contd. of page 8)

· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 15 kg On cargo aircraft only: 50 kg

· ADR/ADN	
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

· IMDG	
· Limited quantities (LQ)	1 kg
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 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 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL)), 4.1, II

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· **Section 355 (extremely hazardous substances):**

Substance is not listed.

· **Section 313 (Specific toxic chemical listings):**

67-56-1	methanol
---------	----------

· **TSCA (Toxic Substances Control Act):**

64-17-5	ethanol
---------	---------

67-56-1	methanol
---------	----------

· **TSCA new (21st Century Act): (Substances not listed)**

polyviscose

· **Hazardous Air Pollutants**

67-56-1	methanol
---------	----------

· **Proposition 65**

· **Chemicals known to cause cancer:**

Substance is not listed.

· **Chemicals known to cause reproductive toxicity for females:**

Substance is not listed.

(Contd. on page 10)

US-US

Safety Data Sheet acc. to OSHA HCS

Printing date 05/24/2019

Reviewed on 05/24/2019

Trade name: GRIFFON PE CLEANER SPECIAL WIPES DIS 100*6 L169

(Contd. of page 9)

· **Chemicals known to cause reproductive toxicity for males:**

Substance is not listed.

· **Chemicals known to cause developmental toxicity:**

64-17-5 ethanol

67-56-1 methanol

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

Substance is not listed.

· **TLV (Threshold Limit Value established by ACGIH)**

A3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

Substance is not listed.

· **GHS label elements**

The substance is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS02 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**

ethanol

· **Hazard statements**

H225 Highly flammable liquid and vapor.

H350 May cause cancer.

· **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P370+P378 In case of fire: Use to extinguish: Water haze, Alcohol resistant foam, Fire-extinguishing powder, Carbon dioxide.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with national regulations.

· **National regulations:**

· **Information about limitation of use:**

Workers are not allowed to be exposed to this hazardous material. Exceptions can be made by the authorities in certain cases.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* **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.

· **Department issuing SDS:** Bison QESH

· **Contact:** Reach coordinator

(Contd. on page 11)

US-US

Safety Data Sheet acc. to OSHA HCS

Printing date 05/24/2019

Reviewed on 05/24/2019

Trade name: GRIFFON PE CLEANER SPECIAL WIPES DIS 100*6 L169

(Contd. of page 10)

· **Date of preparation / last revision** 05/24/2019 / 18

· **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

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Flam. Liq. 2: Flammable liquids – Category 2

Carc. 1A: Carcinogenicity – Category 1A

· * **Data compared to the previous version altered.**

US-US