

Material Safety Data Sheet

According to 91/155 EC

Printing date 06.03.2002

Reviewed on 26.02.2002

1 Identification of substance

- **Product details**
- **Trade name** CLICKGUARD 001
- **Article number:** 5017200000
- **Manufacturer/Supplier:**
H.B. Fuller Austria Gesellschaft m.b.H.
Kaplanstraße 30
A-4600 Wels
Phone No. 07242/409-450
- **Informing department:** Quality Control
- **Emergency information:** 0043 / 1 / 4064343 (Vergiftungsinformationszentrale)

2 Composition/Data on components:

- **Chemical characterization**
- **Description:**
Solvent based adhesive, based on
Polychloroprene

- **Dangerous components:**

CAS: 64742-49-0 EINECS Number: 265-151-9 EC Number: 649-328-00-1	Naphtha (petroleum), hydrotreated light Xn, F, N; R 11-38-51/53-65-67	25-50%
CAS: 78-93-3 EINECS Number: 201-159-0 EC Number: 606-002-00-3	butanone Xi, F; R 11-36-66-67	10-25%
CAS: 67-64-1 EINECS Number: 200-662-2 EC Number: 606-001-00-8	acetone Xi, F; R 11-36-66-67	10-25%
CAS: 141-78-6 EINECS Number: 205-500-4 EC Number: 607-022-00-5	ethyl acetate Xi, F; R 11-36-66-67	5-10%

- **Additional information** Note: R 45 inapplicable due to lower benzene content (< 0,1 %)

3 Hazards identification

- **Hazard designation:**
Xi Irritant
F Highly flammable
N Dangerous for the environment
- **Information pertaining to particular dangers for man and environment**
R 11 Highly flammable.
R 36/38 Irritating to eyes and skin.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 67 Vapours may cause drowsiness and dizziness
- **Classification system**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4 First aid measures

- **General information**
Instantly remove any clothing soiled by the product.
Take affected persons into the open air.

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- **After inhalation**
In case of unconsciousness bring patient into stable side position for transport.
Supply fresh air.
- **After skin contact**
Instantly wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing** In case of persistent symptoms consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet.
Foam
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Special hazards caused by the material, its products of combustion or flue gases:**
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:** Do not inhale explosion gases or combustion gases.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Collect contaminated fire fighting water separately. It must not enter drains.

6 Accidental release measures

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources
Use breathing protection against the effects of fumes/dust/aerosol.
Wear protective clothing.
- **Measures for environmental protection:**
Prevent material from reaching sewage system, holes and cellars.
Inform respective authorities in case product reaches water or sewage system.
Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Send for recovery or disposal in suitable containers.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
Store in cool, dry place in tightly closed containers.
Ensure good ventilation/exhaustion at the workplace.
Ensure that suitable extractors are available on processing machines
Take note of emission threshold.
Use solvent-proof equipment.
Keep away from children
Avoid release to the environment.
Keep eye wash bottles available on working place.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect from heat.

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Protect against electrostatic charges.
 Highly volatile, flammable constituents are released during processing.
 Fumes can combine with air to form an explosive mixture.
 Flammable mixtures may be formed in empty containers.

- **Storage**
- **Requirements to be met by storerooms and containers:** Store in cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed containers.
- **Storage class**
- **Class according to regulation on inflammable liquids:** A I

8 Exposure controls and personal protection

- **Additional information about design of technical systems:**
Please take care on national and local requirements.

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

78-93-3 butanone

OES	Short-term value: 899 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk, Bmgv
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67-64-1 acetone

OES	Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1810 mg/m ³ , 750 ppm
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141-78-6 ethyl acetate

OES	Long-term value: 1460 mg/m ³ , 400 ppm
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- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Do not inhale gases / fumes / aerosols.
Avoid close or long term contact with the skin.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
In case of brief exposure or low pollution (exceeding of TLV) use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
- **Recommended filter device for short term use:** Filter AX
- **Protection of hands:**
Solvent resistant gloves
made of natural rubber latex
- **Eye protection:** Tightly sealed safety glasses.
- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

- | | |
|------------------|------------------------------------|
| · Form: | Fluid |
| · Colour: | According to product specification |
| · Smell: | Characteristic |

- **Change in condition**
Melting point/Melting range: Not determined

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Boiling point/Boiling range:	56°C
· Flash point:	-19°C
· Ignition temperature:	260°C
· Self-inflammability:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· Critical values for explosion:	
Lower:	0.8 Vol %
Upper:	13.0 Vol %
· Steam pressure at 20°C:	247 hPa
· Density at 20°C	0.88 g/cm ³
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix
· Viscosity:	
dynamic at 20°C:	10000 mPas
· Solvent content:	
Organic solvents:	76.1 %
· Solids content:	23.9 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** Develops readily flammable gases / fumes
- **Dangerous products of composition:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**

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

64742-49-0 Naphtha (petroleum), hydrotreated light

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50/4 h	>190 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** Irritant for skin and mucous membranes.
- **on the eye:** Irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Irritant

12 Ecological information:

- **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water.

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Do not allow product to reach ground water, water bodies or sewage system.
 Danger to drinking water if even small quantities leak into soil.
 Also poisonous for fish and plankton in water bodies.

13 Disposal considerations

- **Product:**
- **Recommendation**
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances
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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**
- **ADR/RID-GGVS/E Class:** 3 Flammable liquids.
- **Number/Letter:** 5b
- **Kemler Number:** 33
- **UN-Number:** 1133
- **Label** 3
- **Designation of goods:** Klebstoffe
- **Remarks:** ADR 2001 - classification:

- **Maritime transport IMDG/GGVSea:**
- **IMDG/GGVSea Class:** 3
- **UN Number:** 1133
- **Packaging group:** I
- **EMS Number:** 3-05
- **Marine pollutant:** No
- **Correct technical name:** Adhesives
- **Remarks:** Suitable UN approved container necessary.

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1133
- **Packaging group:** I
- **Correct technical name:** Adhesives
- **Remarks:** Suitable UN approved container necessary.

15 Regulatory information

- **Designation according to EC guidelines:**
 The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)
- **Code letter and hazard designation of product:**
 Xi Irritant
 F Highly flammable
 N Dangerous for the environment
- **Risk phrases:**
 11 Highly flammable.

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36/38 Irritating to eyes and skin.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

67 Vapours may cause drowsiness and dizziness

· **Safety phrases:**

16 Keep away from sources of ignition - No smoking.

23 Do not breathe fumes.

24/25 Avoid contact with skin and eyes.

33 Take precautionary measures against static discharges.

57 Use appropriate container to avoid environmental contamination.

61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

· **National regulations**

· **Classification according to VbF: A I**

· **Technical instructions (air):**

Class	Share in %
III	76.1

· **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The information provided about the product on this Safety Sheet has been compiled from knowledge of the individual constituent.

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.

· **Department issuing data specification sheet:** Environment protection department.

· **Contact:**

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