



Technical data
supplied by the
manufacturer



1. Identification Of The Substance/Preparation And Of The Company/Undertaking

- Product identifier
- Trade name: **Center Brand Solvent Cement - F 16200**
- Relevant identified uses of the substance or mixture and uses advised against. No further relevant information available.
- Application of the substance / the preparation Adhesive
- Details of the supplier of the safety data sheet
- **Manufacturer/Supplier:**
Bison International
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NL-4460 AD Goes
Telephone +31 88 3235700
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- **Further information obtainable from:** Bison QESH
- **Emergency telephone number:** +31 88 3235700

Product Model

Center Brand Solvent Cement – F 16200

Data Sheet Content

- 1 Identification of the Substance/Preparation and of the Company/Undertaking
- 2 Hazards Identification
- 3 Composition/Information on Ingredients
- 4 First-Aid Measures
- 5 Fire-Fighting Measures
- 6 Accidental Release Measures
- 7 Handling and Storage
- 8 Exposure Controls/Personal Protection
- 9 Physical and Chemical Properties
- 10 Toxicological Information
- 11 Stability and Reactivity
- 12 Ecological Information
- 13 Disposal Considerations
- 14 Transport Information
- 15 Regulatory Information
- 16 Other Information

2. Hazards Identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02

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



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xi; Irritant, R36: Irritating to eyes.



F; Highly flammable, R11: Highly flammable.

R66-67: Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Solutions, Service and Supplies to the Trade

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- **Information concerning particular hazards for human and environment**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Has a narcotizing effect.

- **Classification system**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **Label elements**

- **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

- **Code letter and hazard designation of product:**

Xi Irritant

F Highly flammable

- **Risk phrases:**

11 Highly flammable.

36 Irritating to eyes.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

- **Safety phrases:**

9 Keep container in a well-ventilated place.

16 Keep away from sources of ignition - No smoking.

24/25 Avoid contact with skin and eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

46 If swallowed, seek medical advice immediately and show this container or label.

51 Use only in well-ventilated areas.

- **Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT** Not applicable.

- **vPvB** Not applicable.

3. Composition/information on ingredients

- **Mixtures**

- **Description** Adhesive

- **Dangerous components:**

CAS 78-93-3 - methyl ethyl ketone - 50-100%

EINECS 201-159-0  Xi R36;  F R11, R66-67

 Flam. Liq. 2, H225;  Eye Irrit. 2, H319; STOT SE 3, H336

- **Additional information:**

For the wording of the listed risk phrases refer to section 16.

4. First aid measures

- **Description of first aid measures**

- **After inhalation** Supply fresh air; consult doctor in case of complaints.

- **After skin contact** Generally the product does not irritate the skin.

- **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.

- **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. Firefighting 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** Mount respiratory protective device.

- **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:**

Prevent seepage into sewage system, workpits and cellars.

Do not allow to enter sewers/ surface or ground water.

- **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.

- **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.

7. Handling and storage

Handling

- **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

- **Information about fire - and explosion protection:**

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.

- **Specific end use(s)** No further relevant information available.

8. Exposure controls/personal protection

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

- **Control parameters**

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

78-93-3 methyl ethyl ketone

WEL Short-term value: 899 mg/m³, 300 ppm

Long-term value: 600 mg/m³, 200 ppm

Sk, BMGV

- **Additional information:** The lists valid during the making were used as basis.

- **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.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

- **Respiratory protection** Not required.

- **Protection of hands** Protective gloves.



Solvent resistant gloves.

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

- **Material of gloves**

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.

- **Penetration time of glove material**

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

- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

PVC or PE gloves

- **Eye protection** Tightly sealed goggles



- **Body protection** Solvent resistant protective clothing

9. Physical and chemical properties

Appearance	
Form	Fluid
Colour	According to product specification
Odour	Characteristic
Odour threshold:	Not determined
pH-value	Not determined
Change in condition	
Melting point/Melting range	Undetermined
Boiling point/Boiling range	65°C
Flash point	< 0°C
Flammability (solid, gaseous)	Not applicable
Ignition temperature	514°C
Decomposition temperature	Not determined
Self-igniting	Product is not selfigniting
Danger of explosion	Product is not explosive. However, formation of explosive air/ vapour mixtures are possible
Explosion limits	
Lower	1.8 Vol%
Upper	11.5 Vol%
Vapour pressure at 20°C	105 hPa
Density at 20°C	0.92 g/cm ³
Relative density	Not determined.
Vapour density	Not determined
Evaporation rate	Not determined
Solubility in / Miscibility with water	Not miscible or difficult to mix
Partition coefficient (n-octanol/water)	Not determined
Viscosity	
Dynamic	Not determined
Kinematic	Not determined
Solids content	20.5%
Other information	No further relevant information available

10. Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **On the skin: No irritant effect.**
- **On the eye: Irritating effect.**
- **Sensitization: No sensitizing effects known.**
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant

11. Stability and reactivity

- **Reactivity**
- **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 forming toxic pyrolysis products.

12. Ecological information

- **Toxicity**
 - **Aquatic toxicity**
No further relevant information available.
 - **Persistence and degradability**
No further relevant information available.
- Behaviour 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 (German Regulation) (Self-assessment): 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 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.

14. Transport information

UN-Number

- **ADR, IMDG, IATA** UN1133
- **UN proper shipping name**
- **ADR** 1133 Adhesives, Special Provision 640D
- **IMDG, IATA** Adhesives

Transport hazard class(es)

- **ADR**



- **Class** 3 (F1) Flammable liquids.
- **Label** 3

IMDG, IATA



- **Class** 3 Flammable liquids.
- **Label** 3
- **Packing group**
- **ADR, IMDG, IATA** II
- **Environmental hazards:**
- **Marine pollutant** No
- **Special precautions for user** **Warning** Flammable liquids.
- **Danger code (Kemler)** 33
- **EMS Number** F-E,S-D
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **Transport/Additional information**

ADR

- **Limited quantities (LQ)** 5L
- **Transport category** 2
- **Tunnel restriction code** D/E
- **IMDG**

Remarks: Under certain conditions substances in Class 3 (flammable liquids) can be classified in packing group III.

See IMDG, Part 2, Chapter 2.3, Paragraph 2.3.2.2

UN "Model Regulation"

UN1133, ADHESIVES, special provision 640D, 3, II

Disclaimer: Information contained in this Safety Data Sheet is based on data considered to be accurate at the time of its preparation. Despite our efforts, it may not be up to date or applicable to the circumstances of any particular case. The supplier accepts no responsibility whatsoever (except otherwise provided in law) for any damage or injury resulting from abnormal use, from any failure to follow appropriate practices or from hazards inherent in the product.

15. Regulatory information

- **Safety, health and environmental regulations/ legislation specific for the substance or mixture**
- **Labelling according to EU guidelines**
The product has been classified and marked in accordance with EU Directives /Ordinance on Hazardous Materials.
- **Code letter and hazard designation of product**
Xi Irritant
F Highly flammable
- **Risk phrases**
11 Highly flammable
36 Irritating to eyes
66 Repeated exposure may cause skin dryness or cracking
67 Vapours may cause drowsiness and dizziness.
- **Safety phrases**
9 Keep container in a well-ventilated place.
16 Keep away from sources of ignition - No smoking.
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
46 If swallowed, seek medical advice immediately and show this container or label.
51 Use only in well-ventilated areas.
- **National regulations**
- **Technical instructions (air)**
- **Class Share in %**
- **NK 50-100**
- **Waterhazard class** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **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.

- **Relevant phrases**
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
R11 Highly flammable.
R36 Irritating to eyes.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
- **Department issuing MSDS** QESH Department
- **Contact** Reach coordinator