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

1.1 **Product identifier**
   glisseal HV

1.2 **Relevant identified uses of the substance or mixture and uses advised against**
   **Relevant identified uses**
   Grease for laboratory instruments

1.3 **Details of the supplier of the safety data sheet**
   **Manufacturer**
   Borer Chemie AG
   **Street**
   Gewerbestrasse 13
   **Postal code/city**
   4528   Zuchwil
   **Telephone**
   +41 32 686 56 00
   **Telefax**
   +41 32 686 56 90
   **Information contact**
   product.safety@borer.ch

1.4 **Emergency telephone number**

### SECTION 2: Hazards identification

2.1 **Classification of the substance or mixture**
   **Classification according to Regulation (EC) No. 1272/2008 [CLP]**
   This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

2.2 **Label elements**
   **Labelling according to Regulation (EC) No. 1272/2008 [CLP]**
   No GHS Pictograms
   **Labelling (ANSI Z400.1-2004)**
   **HMIS® III Color bar (USA)**
   - HMIS - Health :  NA (not applicable)
   - HMIS - Flammability :  NA (not applicable)
   - HMIS - Physical Hazard :  NA (not applicable)
   - HMIS - Personal Protection :  NA (not applicable)
   **NFPA 704 Fire diamond (USA)**
   - NFPA - Health :  NA (not applicable)
   - NFPA - Flammability :  NA (not applicable)
   - NFPA - Reactivity :  NA (not applicable)
   - NFPA - Special :  NA (not applicable)

2.3 **Other hazards**
   None

### SECTION 3: Composition / information on ingredients

3.2 **Mixtures**
   **Hazardous ingredients**
   None
SECTION 4: First aid measures

4.1 Description of first aid measures
   
   Following inhalation
   Provide fresh air. In case of respiratory tract irritation, consult a physician.

   In case of skin contact
   Remove contaminated, saturated clothing immediately. Flush away with water and rinse.

   After eye contact
   Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

   After ingestion
   Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

4.2 Most important symptoms and effects, both acute and delayed
   No information available.

4.3 Indication of any immediate medical attention and special treatment needed
   None

SECTION 5: Firefighting measures

5.1 Extinguishing media
   The product itself does not burn.

   Suitable extinguishing media
   Co-ordinate fire-fighting measures to the fire surroundings. Water spray jet, foam, extinguishing powder.

   Unsuitable extinguishing media
   Full water jet

5.2 Special hazards arising from the substance or mixture
   Hazardous combustion products
   Fire generates toxic gases.

5.3 Advice for firefighters
   Special protective equipment for firefighters
   In case of fire: Wear self-contained breathing apparatus.

5.4 Additional information
   None

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
   Take the precautions customary when handling chemicals.

6.2 Environmental precautions
   Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up
   Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections
   See Chapter 7, 8 & 13
SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid contact with skin and eyes.

Protective measures
Measures to prevent fire
No anti-explosion measures necessary.

7.2 Conditions for safe storage, including any incompatibilities

Further information on storage conditions
Keep only in the original container in a cool, well-ventilated place.

7.3 Specific end use(s)
None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
None

8.2 Exposure controls

Personal protection equipment
Eye/face protection
Eye glasses with side protection

Skin protection
Hand protection
In full contact: Glove material: nitrile rubber Layer thickness: 0.4 mm Breakthrough time: > 480 Min. In splash contact: Glove material: nitrile rubber Layer thickness: 0.4 mm Breakthrough time: > 480 Min. The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374.

Body protection
No special measures are necessary.

General health and safety measures
Keep away from food, drink and animal feeding stuff

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Paste
Colour : colourless, transparent
Odour : odourless

Safety relevant basis data
Melting point/melting range : not relevant
Boiling temperature/boiling range : ( 1013 hPa ) > 300.00 °C
Decomposition temperature : > 290.00 °C
Flash point : > 200.00 °C
Ignition temperature : not determined
Lower explosion limit : none
Upper explosion limit : none
Density : ( 20 °C ) 0.9 g/cm³
Solvent separation test : ( 20 °C ) not relevant
Water solubility : ( 20 °C ) insoluble
pH value (solvent = demineralized water) : ( 20 °C / 10 g/l ) not applicable
log P O/W : not applicable
Flow time : ( 20 °C ) not applicable DIIN-cup 4 mm
Viscosity : ( 20 °C ) mPa.s
Evaporation rate : not relevant
Vapourisation rate : not relevant
Flammable solids : Not fulfilling criteria for hazard class "Flammable Solids".
Flammable gases : Not applicable.
Oxidising liquids : Not applicable.
Explosive properties : Not explosive according to EU A.14.

9.2 Other information
None

SECTION 10: Stability and reactivity

10.1 Reactivity
Stable under recommended storage and handling conditions(See section 7).

10.2 Chemical stability
Thermal decomposition above 230 °C.

10.3 Possibility of hazardous reactions
None, if handled according to order.

10.4 Conditions to avoid
None known.

10.5 Incompatible materials
None known.

10.6 Hazardous decomposition products
No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Acute effects
Acute oral toxicity
Parameter : LD50
Exposure route : Oral
Species : Rat
Effective dose : > 5000 mg/kg

SECTION 12: Ecological information

12.1 Toxicity
No information available.

12.2 Persistence and degradability
No information available.

12.3 Bioaccumulative potential
No information available.

12.4 Mobility in soil
No information available.

12.5 Results of PBT and vPvB assessment
No information available.

12.6 Other adverse effects
No information available.

12.7 Additional ecotoxicological information
None

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Product/Packaging disposal
Recycle according to official regulations.
Waste codes/waste designations according to EWC/AVV
Waste code product
Waste code (91/689/EEC) : 07 06 99

SECTION 14: Transport information

14.1 UN number
No dangerous goods in sense of this transport regulation.

14.2 UN proper shipping name
No dangerous goods in sense of this transport regulation.

14.3 Transport hazard class(es)
No dangerous goods in sense of this transport regulation.

14.4 Packing group
No dangerous goods in sense of this transport regulation.

14.5 Environmental hazards
No dangerous goods in sense of this transport regulation.

14.6 Special precautions for user
None

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
None

15.2 Chemical Safety Assessment
No information available.

SECTION 16: Other information

The user is responsible for the observance of all required statutory provisions.

16.1 Indication of changes
02. Classification of the substance or mixture · 02. Label elements · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 03. Substances

16.2 Abbreviations and acronyms
None

16.3 Key literature references and sources for data
None
16.5 Relevant R-, H- and EUH-phrases (Number and full text)
None

16.6 Training advice
None

16.7 Additional information
None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.