

## Safety Data Sheet

section

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

#### 1.1 Product identifier

Trade name/designation : Bed Adhesive Strong.

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : 3D printers.

Uses advised against : No data available.

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

Supplier : **Name:** NorthPrint3D  
**Street:** No data available  
**Postal code/City:** No data available  
**Country:** No data available  
**Telephone:** No data available  
**E-mail:** No data available

#### 1.4 Emergency Telephone Number

section

### 2 Hazards identification

#### 2.1 Classification of the substance or mixture

##### Hazards identification:

H225	Flam. Liq. 2	Highly flammable liquid and vapour.
H336	STOT SE 3 H336	May cause drowsiness or dizziness

#### 2.2 Label elements

##### Labelling

##### Hazard pictograms



##### Signal word

Danger

##### Hazard Statements

H225	Highly flammable liquid and vapour.
H336	May cause drowsiness or dizziness

##### Precautionary Statements - Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271	Use only outdoors or in a well-ventilated area.
P233	Keep container tightly closed.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242	Use only non-sparking tools.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P240	Ground and bond container and receiving equipment.
P243	Take precautionary measures against static discharge.

## Precautionary Statements - Response

- P312 Call a POISON CENTER/doctor/.../if you feel unwell.  
 P370+P378 In case of fire: Use... to extinguish.  
 P303+P361+ P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

## Precautionary Statements - Storage

- P403+P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.

## Precautionary Statements - Disposal

- P501 Dispose of contents/container to ...

## Contains

propan-2-ol

## 3 Composition/information on ingredients

### 3.2 Mixtures

In accordance with the product knowledge, no nanomaterials have been identified.

Substance	Concentration (%)	Specific concentration limits	Classification
propan-2-ol [1]			
CAS N° 67-63-0	C≤ 50.0%		H225 Flam. Liq. 2
EC N° 200-661-7			H336 STOT SE 3 H336
IDX N° 603-117-00-0			

[1] Substance for which maximum workplace exposure limits are available.

## Remark

Full text of H- phrases: see section 16.

## 4 First aid measures

### 4.1 Description of first aid measures

#### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Do not leave affected person unattended.

Remove victim out of the danger area.

Keep affected person warm, still and covered.

Remove the affected person from the danger zone and lay down.

#### Following inhalation:

Remove person to fresh air and keep comfortable for breathing.

No resuscitation mouth-to-mouth or mouth-to-nose. Ambu use a mask or respirator.

#### Following skin contact:

Remove contaminated, saturated clothing immediately.

After contact with skin, wash immediately with plenty of water and soap.

Take off immediately all contaminated clothing.

#### Following eye contact:

In case of eye irritation consult an ophthalmologist.

Rinse immediately carefully and thoroughly with eye-bath or water.

Remove contact lenses, if present and easy to do. Continue rinsing.

## Following ingestion:

Never give anything by mouth to an unconscious person or a person with cramps.

IF SWALLOWED: Rinse mouth.

Do NOT induce vomiting.

## Self-protection of the first aider:

First aider: Pay attention to self-protection!

## 4.2 **Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

## 4.3 **Indication of any immediate medical attention and special treatment needed**

## Notes for the doctor:

Treat symptomatically.

# section 5 Firefighting measures

## 5.1 **Extinguishing media**

### Suitable extinguishing media:

Foam.

Extinguishing powder.

Carbon dioxide (CO<sub>2</sub>).

Sand.

### Unsuitable extinguishing media:

Strong water jet.

## 5.2 **Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

## 5.3 **Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.

## Additional information

Do not inhale vapors and fumes.

Co-ordinate fire-fighting measures to the fire surroundings.

Move undamaged containers from immediate hazard area if it can be done safely.

Use caution when applying carbon dioxide in confined spaces. carbon dioxide can displace oxygen.

Use water spray jet to protect personnel and to cool endangered containers.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

# section 6 Accidental release measures

## 6.1 **Personal precautions, protective equipment and emergency procedures**

Use personal protection equipment.

Remove persons to safety.

Provide adequate ventilation.

Use appropriate respiratory protection.

## 6.2 **Environmental precautions**

Ensure that waste is collected and contained.

Contain leaks or spills within cabinets with removable trays.

## 6.3 **Methods and material for containment and cleaning up**

Treat the recovered material as prescribed in the section on waste disposal.  
 Collect in closed and suitable containers for disposal.  
 Clean contaminated objects and areas thoroughly observing environmental regulations.  
 Ventilate affected area.  
 Absorb with liquid-binding material ( e.g. sand, diatomaceous earth, acid- or universal binding agents).  
 Wipe up with absorbent material (eg. cloth, fleece).

## 6.4 **Reference to other sections**

Safe handling: see section 7.  
 Disposal: see section 13.  
 Personal protection equipment: see section 8.

### **Additional information**

Not available

# section 7 **Handling and Storage**

## 7.1 **Precautions for safe handling**

Avoid exposure - obtain special instructions before use.  
 Use only outdoors or in a well-ventilated area.  
**PROTECTIVE MEASURES:**  
 Avoid contact with skin, eyes and clothes.  
 Remove fume condensates periodically from extraction hoods, leads and other surfaces (wear personal protective clothing!) as there is a risk of catching fire.  
 Use only in well-ventilated areas.  
 If local exhaust ventilation is not possible or not enough, the entire work area must be ventilated by technical means.  
 Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.  
 Provide earthing of containers, equipment, pumps and ventilation facilities.  
 Take precautionary measures against static discharges.  
 Wear personal protective clothing (see section 8).  
 Sewers and ducts must be protected against the entry of the product.  
 Provide adequate ventilation as well as local exhaustion at critical locations.  
 Vapours/aerosols should be exhausted directly at the point of origin.  
 Avoid breathing gas/fumes/vapour/spray.

### **Advices on general occupational hygiene:**

Wash hands before breaks and after work.  
 Remove contaminated, saturated clothing immediately.  
 Work in well ventilated zones or use proper respiratory protection.

### **In the immediate working surroundings there must be:**

Provide eye shower and label its location conspicuously.

## 7.2 **Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry, cool, and well-ventilated place.  
 Keep container in upright position in order to prevent leakage.

### **Requirements for storage rooms and vessels:**

Ensure adequate ventilation of the storage area.  
 Ground/bond container and receiving equipment.  
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 Store locked up.

### **Advice on joint storage:**

Keep away from food, drink and animal feedingstuffs.  
 Keep away from clothing and other combustible materials.

Keep only in the original container in a cool, well-ventilated place, away from highly flammable substances.

**Further information on storage conditions:**

Use explosion-proof electrical/ventilating/lighting/.../equipment.

Use only non-sparking tools.

### 7.3 Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## section 8 Exposure controls/personal protection

### 8.1 Control parameters

**Occupational exposure limits:**

Substance	Value	Unit	Type
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No data available

**Biological limit values:**

Not available

**Exposure limits at intended use:**

Not available

**Remark:**

Not available

### 8.2 Exposure controls

**Appropriate engineering controls:**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Provide adequate ventilation as well as local exhaust at critical locations.

**Individual protection measures, such as personal protective equipment:**



Eye/face protection

- : **Suitable eye protection:**  
Wear eye protection equipment.
- Recommended eye protection articles:**  
Eye glasses.

## Skin protection

- : **Hand protection:**  
**Suitable gloves type:**  
 Wear protective gloves.  
**Additional hand protection measures:**  
 Do not wear gloves near machines and rotating tools.  
 Use gloves only once.  
**Remark:**  
 When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.  
 The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.  
 For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.  
 Breakthrough times and swelling properties of the material must be taken into consideration.  
**Body protection:**  
**Suitable protective clothing:**  
 Lab coat.

## Respiratory protection

- : **Respiratory protection necessary at:**  
 If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.  
**Suitable respiratory protection apparatus:**  
 Wear respiratory protection.  
**Remark:**  
 The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.  
 Observe the wear time limits as specified by the manufacturer.

## Environmental exposure controls:

Not available

## Consumer exposure controls:

Not available

## Additional information

Not available

## 9 Physical and chemical Properties

### 9.1 Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Not available
Odour	: Not available
Odor threshold	: Not available
pH	: Not available
Melting/Freezing point	: Not available
Boiling point	: Not available
Flash point	: Not available
Evaporation rate	: Not available
Flammability	: Not available
Lower limit of flammability or explosive	: Not available
Vapour pressure	: Not available
Vapour density	: Not available
Relative density	: Not available

Water solubility	:	Not available
Partition coefficient, n-octanol/water (log Pow)	:	Not available
Auto-inflammability temperature	:	Not available
Decomposition temperature	:	Not available
Viscosity	:	Not available
Explosive properties	:	Not available
Oxidising properties	:	Not available
Solubility in other Solvents	:	Not available
Particle characteristics	:	Not available

## 9.2 Other safety information

Information concerning to the classes of physical hazards

Not available

Other security characteristics

Not available

## section 10 Stability and Reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

The product is stable when stored at normal ambient temperatures.

### 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4 Conditions to avoid

No data available.

### 10.5 Incompatible materials

No data available.

### 10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

### Additional information

Not available

## section 11 Toxicological information

### 11.1 Information on toxicological effects

#### Acute oral toxicity:

The product is not classified.

#### Data for mixture:

Not available

#### Substances:

Not available

#### Acute dermal toxicity:

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Acute inhalation toxicity:**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Skin corrosion/irritation:**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Serious eye damage/irritation:**

The product is classified Eye Irrit. 2 according to the referenced regulation.

**Data for mixture:**

Not available

**Substances:**

Not available

**Skin sensitisation:**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Specific target organ toxicity (repeated exposure):**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Specific target organ toxicity (single exposure):**

The product is classified STOT SE 3\_H336 according to the referenced regulation.

May cause drowsiness or dizziness.

**Data for mixture:**

Not available

**Substances:**

Not available

**Carcinogenicity:**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Reproductive toxicity:**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Germ cell mutagenicity:**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Sensitisation to the respiratory tract:**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Additional information:**

Not available

## section 12 Ecological information

### 12.1 Toxicity

Based on available data, the classification criteria are not met.

**Data for mixture:**

Not available

**Substances:**

Not available

### 12.2 Persistence and degradability

The product has not been tested.

**Data for mixture:**

Not available

**Substances:**

Not available

### 12.3 Bioaccumulative potential

The product has not been tested.

**Data for mixture:**

Not available

**Substances:**

Not available

### 12.4 Mobility in soil

The product has not been tested.

**Data for mixture:**

Not available

**Substances:**

Not available

### 12.5 Results of PBT and vPvB assessment

According to Regulation (EU) 1907/2006, no substances are assessed as PBT or vPvB.

### 12.6 Endocrine disrupting properties

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

### 12.7 Other adverse effects

Not available

## Additional ecotoxicological information

Not available

## 13 Disposal considerations

### 13.1 Waste treatment methods

#### Product/Packaging disposal:

##### Waste treatment options:

##### Appropriate disposal/Product:

Waste requiring special supervision.

Dispose of waste according to applicable legislation.

Delivery to an approved waste disposal company.

##### Appropriate disposal/Package:

Non-contaminated packages must be recycled or disposed of.

Contaminated packing must be completely emptied and can be reused after proper cleaning.

Packing which cannot be properly cleaned must be disposed of.

Handle contaminated packages in the same way as the substance itself.

Dispose of waste according to applicable legislation.

##### Remark:

For recycling, contact manufacturer.

Collect the waste separately.





Consult the appropriate authorities about waste disposal.

Do not mix with other wastes.

The waste is to be kept separate from other types of waste until its disposal.

Concerning the waste it has to be checked, whether a transport authorisation is required.

## 14 Transport information

	Land transport (TDG):	Inland waterway transport (ADN):	Sea transport (IMDG):	Air transport (ICAO-TI/IATA-DGR):
14.1 UN number:	1993	1993	1993	1993
14.2 UN proper shipping name:	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.
14.3 Transport hazard class(es):				
Class or Division:	3	3	3	3
Hazard label(s):				
14.4 Packing group:	II	II	II	II

### 14.5 Environmental hazards

Not available

### 14.6 Special precautions for user

Not available

### 14.7 Bulk shipping according to IMO instruments

Not available

## section 15 Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Not available

### 15.2 Chemical Safety Assessment

Not available

#### Additional information

Not available

## section 16 Other information

### Abbreviations and acronyms

CAS: Chemical Abstract Service Number.

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods Code.

DPD Dangerous Preparation Directive.

UN number: United Nations number.

No EC: European Commission Number.

TDG: Transportation of Dangerous Goods.

WHMIS: Workplace Hazardous Materials Information System.

### Key literature references and sources for data

No data available.

### The classification of the mixture is in accordance with the evaluation method described in HazCom 2012

The classification of the mixture is in accordance with the evaluation method described in WHMIS.

### The classification of the mixture is in accordance with the evaluation method described in the GHS

H225	Flam. Liq. 2	Highly flammable liquid and vapour.
H336	STOT SE 3 H336	May cause drowsiness or dizziness

### Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

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The information given in this Safety Data Sheet is based on our present knowledge and on european and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.