

Material Safety Data Sheet

1. Chemical Product and Company Identification

DESCRIPTION: KAIDA PVA GLUE STICK
PRODUCT TYPE: SYNTHETIC POLYMER MIXTURE
APPLICATION: FOR PRODUCT CODES SEE SECTION 16

• Manufacturer/Supplier Information

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2. Composition, Information on Ingredients

| Chemical Name | Percentage | CAS# |
|------------------------|------------|------------|
| Polyvinyl Alcohol | >13.0 | 9002-89-5 |
| Methanol | <0.39 | 67-56-1 |
| Sodium Stearate | 6.0 | 822-16-2 |
| Glycerin | 6.5 | 56-81-5 |
| Dimethyl silicone oil | 0.5 | 9006-65-9 |
| Pyrrithione Zinc (ZnP) | <0.2 | 13463-41-7 |
| Zinc Oxide | <0.075 | 1314-13-2 |
| Water | >73.335 | 7732-18-5 |

3. Hazards Identification

3.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008
The product is not classified according to the CLP regulation.
- Information concerning particular hazards for human and environment:
The product has not be labelled due to th calculation procedure of Regulation 1272/2008/EC.
- Classification system:

The classification is according to the latest edition of EU Regulation 1272/2008/EC. And extended by company and literature date.

3.2 Label elements

Labelling according to Regulation(EC) No 1272/2008 Not applicable

Hazard pictograms Not Applicable

Signal word Not applicable

Hazard-determining components of labelling: Not applicable

Hazard statements not applicable

3.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

VPvB: Not applicable

4. First Aid Measures

| | |
|-------------|--|
| INGESTION: | If swallowed, immediately give 2 glass of water. Never give anything by mouth to an unconscious person. Contract a physician. |
| INHALATION: | Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen. Get medical attention if cough or other symptoms develop. |
| SKIN: | Wash affected area with soap and water. Get medical attention if irritation develops or persists. |
| EYES: | In case of contract, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists. |

5. Fire Fighting Measures

| | |
|------------------------------------|----------------|
| Autoignition Temperature | Not available |
| Upper/Lower Flammable Limits | Not applicable |
| Up/Lower Explosive Limits, %by Vol | Not applicable |
| Flash Point | Not applicable |

Will not burn unless water has evaporated. Dried material may burn.
In case of fire, water should be used to keep fire-exposed containers cool.

6. Accidental Release Measures

Sweep (scoop) up and remove to a chemical disposal area.
Prevent entry into natural bodies of water.

7. Handling and Storage

7.1 Handling

Handle in accordance with good industrial hygiene and safety practices.

INHALATION: Avoid prolonged or repeated breathing of dust or vapor.

SKIN: Avoid prolonged or repeated contact with skin and clothing.

EYES: Avoid prolonged or repeated contact with eyes.

7.2 Storage

Keep from freezing.

Store in a cool, dry place.

Keep containers tightly closed.

8. Exposure Controls/Personal Protection

8.1 Exposure Controls

No special control measure necessary under normal conditions of use.

8.2 Personal Protection

No special protection necessary under normal conditions of use.

8.3 Exposure Guidelines

None established

9. Physical and Chemical Properties

| | |
|--------------------------|----------------------|
| Percent Volatiles | 70.0-80.0 |
| pH @ 25 C | 10.0-10.99 |
| Specific Gravity | 1.1g/cm ³ |
| Appearance | White solid |
| Autoignition Temperature | Not available |

| | |
|-------------------------------------|----------------|
| Boiling Point | 100 deg C |
| Vapor Density (Air=1) | < 1 |
| Vapor Pressure, mm Hg @ 20 C | — |
| Evaporation Rate (Butyl Acetate=1) | < 1 |
| Upper/Lower Flammable Limits | Not applicable |
| Up/Lower Explosive Limits, % by Vol | Not applicable |
| Flash Point | Not applicable |
| Freezing Point | -16 deg C |
| Odor | Slight bland |
| Odor Threshold, ppm | Not applicable |
| Solubility in Water | Dispersible |

10. Stability and Reactivity

Normally stable

- **Incompatibilities:**

Not known to border

- **Decomposition products may include:**

Oxides of carbon

- **Hazardous polymerization:**

Will not occur.

- **Other Hazards:**

None known to company.

11. Toxicological Information

See Section 3 Hazards Identification information.

12. Ecological Information

Not determined.

13. Disposal Considerations

Dispose of according to local, state/provincial, and federal requirements.

14. Transport Information

14.1 UN-Number

ADR, RID, ADN,IMDG,IATA Not applicable

14.2 UN proper shipping name

ADR,RID,ADN,IMDG,IATA Not applicable

14.3 Transport hazard class (es)

ADR,RID,ADN,IMDG,IATA

Class Not applicable

14.4 Packing group

ADR,RID,ADN,IMDG,IATA Not applicable

14.5 Environmental hazards Not applicable

14.6 Special precautions for user Not applicable

14.7 Transport in bulk according to Annex II of

Marpol and the IBC code Not applicable

14.8 Transport/Additional information: Not dangerous according to the above specification.

15. Regulatory Information- classification and identification

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

MAK (German Maximum workplace Concentration)

None of the ingredients is listed.

Directive 2012/18/EU

Named dangerous substances-ANNEX I None of the ingredients is listed.

National regulations:

Water hazard class: water hazard class1 (self-assessment): slightly hazardous for water.

Other regulations, limitations and prohibitive regulations

SVHC Candidate list of REACH Regulation Annex XIV Authorisation(2016/2016)

None of the ingredients is listed

REACH Regulation Annex XVII Restriction(12/12/2016)

See section 16 for information about restriction of use.

None of the ingredients is listed.

REACH Regulation Annex XIV Authorization list (14/8/2014)

None of the ingredients is listed.

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

16. Other Information

The contents and format of this MSDS are in accordance with Regulation REGULATION (EU) 2020/878, (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim ability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord europeen sur le transport des marchandises par Route (European Agreement concerning the international Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration(REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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