

Safety Data Sheet

29 CFR 1910.1200

update Jan 25,2021

1 Identification

1.1 – Product Identification

Product Name: DRY Eraser Marker

Item Number: LLR69592/LLR69593/LLR69594

Description: BOARDS-MARKER

Recommended use of the product and restrictions on use Application of the product: Stationery

Restricted: No available data;

- Details of the supplier of the safety data sheet
- Supplier (Manufacturer): Ningbo Beilun Yunlingqing Trade Co;Ltd
Address: Beilunqu Xinqijiedao Huaihelu 299Hao 309Shi-3,315800 Ningbo,CN
Contact person (E-mail): li.ning@nbzhibao.com
- Telephone: +86-0574-83069691
- Emergency Telephone Number: Emergency phone#: +86-0574-83069691 available at all time.

2 Hazard(s) identification

- **Classification of the substance or mixture**

Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200)



GHS02 Flame

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

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

The product has to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).

- **Classification system:**

The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.

- **Label elements**

- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**

- **Hazard pictograms**



GHS02

- **Signal word** Danger

- **Hazard-determining components of labeling:** Not applicable

- **Hazard statements**

H225 Highly flammable liquid and vapor.

- **Precautionary statements**

| | |
|------|--|
| P210 | Keep away from heat/sparks/open flames/hot surfaces. - No smoking. |
| P233 | Keep container tightly closed. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical/ventilating/lighting/equipment. |

(Contd. on page 2)

Safety Data Sheet

29 CFR 1910.1200

update Jan 25,2021

(Contd. of page 1)

- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients


· **Chemical characterization: Mixtures**

· **Description:**

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to section 16.

· **Composition:**

| | | |
|------------|--|-------|
| 57-55-6 | propane-1,2-diol | 20.0% |
| 64-17-5 | ethanol | 20.0% |
| |  Flam. Liq. 2, H225 | |
| 25322-68-3 | Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated | 20.0% |
| 9004-96-0 | Oleic acid, ethoxylated | 15.0% |
| 25168-73-4 | sucrose stearate | 15.0% |
| 1333-86-4 | Carbon black | 5% |
| 63148-65-2 | Butvar B-98 | 5% |

4 First-aid measures

· **Description of first aid measures**

· **General information:** Immediately remove any clothing soiled by the product.

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

· **After skin contact:**

Immediately rinse with water.

If skin irritation continues, consult a doctor.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

· **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 Fire-fighting measures

· **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **Special hazards arising from the substance or mixture** No further relevant information available.

(Contd. on page 3)

Safety Data Sheet

29 CFR 1910.1200

update Jan 25,2021

(Contd. of page 2)

- **Special protective equipment and precautions for firefighters**
- **Protective equipment:**
 - Mouth respiratory protective device.
 - Wear fully protective suit.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
 - Wear protective equipment. Keep unprotected persons away.
 - Ensure adequate ventilation
 - Keep away from ignition sources
 - Use respiratory protective device against the effects of fumes/dust/aerosol.
 - Avoid contact with eyes.
 - Avoid contact with skin.
- **Environmental precautions:** 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.

7 Handling and storage

- **Precautions for safe handling:**
 - Ensure good ventilation/exhaustion at the workplace.
 - Keep receptacles tightly sealed.
 - Keep away from heat and direct sunlight.
 - Prevent formation of aerosols.
 - Avoid contact with skin and eyes.
 - For the general occupational hygienic measures refer to section 8.
- **Information about protection against explosions and fires:**
 - Keep ignition sources away - Do not smoke.
 - Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
 - Store in a cool location.
 - Store only in the original receptacle.
- **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Keep away from ignition sources.
- **Further information about storage conditions:**
 - Keep receptacle tightly sealed.
 - Store in cool, dry conditions in well sealed receptacles.
 - Protect from heat and direct sunlight.

8 Exposure controls/personal protection

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

| | |
|---|--|
| 57-55-6 propane-1,2-diol (20.0%) | |
| WEEL (USA) | Long-term value: 10 mg/m ³ |
| 64-17-5 ethanol (20.0%) | |
| PEL (USA) | Long-term value: 1900 mg/m ³ , 1000 ppm |

(Contd. on page 4)

USA

Safety Data Sheet

29 CFR 1910.1200

update Jan 25,2021

(Contd. of page 3)

| | |
|--|--|
| REL (USA) | Long-term value: 1900 mg/m ³ , 1000 ppm |
| TLV (USA) | Short-term value: 1880 mg/m ³ , 1000 ppm |
| 25322-68-3 Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated (20.0%) | |
| WEEL (USA) | Long-term value: 10 mg/m ³ (H); MW>200 |
| 1333-86-4 Carbon black (5.0%) | |
| PEL (USA) | Long-term value: 3.5 mg/m ³ |
| REL (USA) | Long-term value: 3.5* mg/m ³ *0.1 in presence of PAHs; See Pocket Guide Apps.A+C |
| TLV (USA) | Long-term value: 3* mg/m ³ *inhalable fraction |

· **Regulatory information**

WEEL (USA): Guide to Occupational Exposure Values (AIHA WEELs)

PEL (USA): Guide to Occupational Exposure Values (OSHA PELs)

REL (USA): Guide to Occupational Exposure Values (NIOSH RELs)

TLV (USA): Guide to Occupational Exposure Values (ACGIH)

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure:**

· **Appropriate engineering controls:**

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

See Section 7 for information about design of technical facilities.

· **Personal protective equipment:**

· **Breathing equipment:** Suitable respiratory protective device recommended.

· **Protection of hands:**



Protective 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.

· **Eye protection:**



Tightly sealed goggles

USA

(Contd. on page 5)

Safety Data Sheet

29 CFR 1910.1200

Version number 1.0

update Jan 25,2021

(Contd. of page 4)

9 Physical and chemical properties

· General Information

· Appearance:

| | |
|-------------------|---------------|
| · Form: | Liquid |
| · Color: | Black |
| · Odor: | Odorless |
| · Odor threshold: | Not available |

| | |
|--------------------------------|---------------|
| · pH-value: | Not available |
| · Melting point/Melting range: | Not available |
| · Freezing point: | Not available |
| · Boiling point/Boiling range: | Not available |

· Flash point: 20-22 °C

· Flammability (solid, gaseous): Not applicable

· Auto-Ignition temperature: Not available

· Decomposition temperature: Not available

· Explosion limits:

| | |
|----------|----------------|
| · Lower: | Not available. |
| · Upper: | Not available. |

· Vapor pressure: Not available.

· Density: Not available.

· Relative density: Not available.

· Vapor density: Not available.

· Evaporation rate: Not available.

· Solubility in / Miscibility with

Water: Not available

· Partition coefficient (n-octanol/water): Not available

· Viscosity:

· Dynamic: Not available.

· Kinematic: Not available.

· Other information

No further relevant information available.

10 Stability and reactivity

· **Reactivity** No decomposition if used according to specification.

· **Chemical stability** Stable under recommended storage conditions.

· **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:** No dangerous decomposition products known.

11 Toxicological information

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

57-55-6 propane-1,2-diol

| | | |
|------|------|--------------------|
| Oral | LD50 | 20,000 mg/kg (rat) |
|------|------|--------------------|

(Contd. on page 6)

Safety Data Sheet

29 CFR 1910.1200

update Jan 25,2021

(Contd. of page 5)

| | | |
|--|----------|-----------------------|
| Dermal | LD50 | 20,800 mg/kg (rabbit) |
| 64-17-5 ethanol | | |
| Oral | LD50 | 3,450 mg/kg (mouse) |
| | | 7,060 mg/kg (rat) |
| | | 6,300 mg/kg (rabbit) |
| Inhalative | LC50/4 h | 20,000 mg/l (rat) |
| 25322-68-3 Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated | | |
| Oral | LD50 | 28,915 mg/kg (mouse) |
| | | 22,000 mg/kg (rat) |
| | | 14,000 mg/kg (rabbit) |
| 9004-96-0 Oleic acid, ethoxylated | | |
| Oral | LD50 | >25,000 mg/kg (mouse) |
| 1333-86-4 Carbon black | | |
| Oral | LD50 | 15,400 mg/kg (rat) |
| Dermal | LD50 | 3,000 mg/kg (rabbit) |

- **Skin corrosion/irritation:** Irritating effect possible.
- **Serious eye damage/irritation:** Irritating effect possible.
- **Respiratory or skin sensitisation:** Sensitization possible.

· **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

| | | |
|-----------|--------------|----|
| 64-17-5 | ethanol | 1 |
| 1333-86-4 | Carbon black | 2B |

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 7)

Safety Data Sheet



29 CFR 1910.1200

update Jan 25,2021

(Contd. of page 6)

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

| | |
|--|--|
| <ul style="list-style-type: none"> · UN-Number · DOT, IMDG, IATA | UN1170 |
| <ul style="list-style-type: none"> · UN proper shipping name · DOT · IMDG · IATA | Ethanol mixture ETHANOL (ETHYL ALCOHOL) mixture ETHANOL mixture |
| <ul style="list-style-type: none"> · Transport hazard class(es) · DOT | <div style="text-align: center;">  </div> |
| <ul style="list-style-type: none"> · Class · Label | 3 Flammable liquids 3 |
| <ul style="list-style-type: none"> · IMDG, IATA | <div style="text-align: center;">  </div> |
| <ul style="list-style-type: none"> · Class · Label | 3 Flammable liquids 3 |
| <ul style="list-style-type: none"> · Packing group · DOT, IMDG, IATA | II |
| <ul style="list-style-type: none"> · Environmental hazards | Not applicable. |
| <ul style="list-style-type: none"> · Special precautions for user · EMS Number: · Stowage Category | Warning: Flammable liquids F-E,S-D A |
| <ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| <ul style="list-style-type: none"> · Transport/Additional information: | <hr style="border-top: 1px dashed #000;"/> |
| <ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) | 1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml |
| <ul style="list-style-type: none"> · UN "Model Regulation": | UN 1170 ETHANOL (ETHYL ALCOHOL) MIXTURE, 3, II |

USA

(Contd. on page 8)

Safety Data Sheet

29 CFR 1910.1200

update Jan 25,2021

(Contd. of page 7)

15 Regulatory information

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

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

| | | |
|------------|--|--------|
| 57-55-6 | propane-1,2-diol | ACTIVE |
| 64-17-5 | ethanol | ACTIVE |
| 25322-68-3 | Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated | ACTIVE |
| 9004-96-0 | Oleic acid, ethoxylated | ACTIVE |
| 1333-86-4 | Carbon black | ACTIVE |
| 63148-65-2 | Butvar B-98 | ACTIVE |

· **Proposition 65**

· **Chemicals known to cause cancer:**

1333-86-4 Carbon black

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

64-17-5 ethanol

· **New Jersey Right-to-Know List:**

| | | |
|-----------|------------------|--|
| 57-55-6 | propane-1,2-diol | |
| 64-17-5 | ethanol | |
| 1333-86-4 | Carbon black | |

· **New Jersey Special Hazardous Substance List:**

| | | |
|-----------|--------------|----------------|
| 64-17-5 | ethanol | CA, MU, TE, F3 |
| 1333-86-4 | Carbon black | CA |

· **Pennsylvania Right-to-Know List:**

| | | |
|---------|------------------|--|
| 57-55-6 | propane-1,2-diol | |
| 64-17-5 | ethanol | |

· **Pennsylvania Special Hazardous Substance List:**

None of the ingredients is listed.

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

| | | |
|-----------|--------------|----|
| 64-17-5 | ethanol | A3 |
| 1333-86-4 | Carbon black | A4 |

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

1333-86-4 Carbon black

USA

(Contd. on page 9)

Safety Data Sheet

29 CFR 1910.1200

update Jan 25,2021

(Contd. of page 8)

16 Other information

· **Relevant hazard statements**

H225 Highly flammable liquid and vapor.

· *****

The contents and format of this SDS are in accordance with 29 CFR 1910.1200.

DISCLAIMER OF LIABILITY

The information in this SDS 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 the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

· **Date of preparation / last revision** 04/13/2020 / -

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Flam. Liq. 2: Flammable liquids – Category 2

· *****

End of document