

Safety Data Sheet

1. Identification of the substance/preparation and of the company/undertaking

- . Product details
- . Trade name: Sidewalk Chalk
- . Registration number Not available
- . Application of the substance / the preparation Writing

- . Manufacturer/Supplier:
 Ningbo Hi-Tech Elsas Import & Export Co. Ltd
 RM5-12 No.1 Building, Wante Int'l Business Center, Hi-Tech Park, Ningbo, China
 Tel: 86-574-87918199
 Fax: 86-574-87918399

- . Further information obtainable from: Ningbo Hi-Tech Elsas Import & Export Co. Ltd

2. Hazards identification

- . Hazard description: Not applicable.
- . Information concerning particular hazards for human and environment:
 The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- . Classification system:
 The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3. Composition/information on ingredients

- . Chemical characterization
- . Description:
 Mixture of substances listed below with nonhazardous additions.
 For the wording of the listed risk phrases refer to section 16.
- . Dangerous components: Not applicable

. Non-dangerous component:

CAS:7732-18-5 EINECS:231-791-2	water, distilled, conductivity or of similar purity	52.40%
CAS:7778-18-9 EINECS:231-900-3	calcium sulphate, natural	46.20%
CAS:471-34-1 EINECS:207-439-9	calcium carbonate	1.00%
CAS:9002-89-5	Polyvinyl Alcohol	0.20%
CAS:147-14-8	29H, 31H-phthalocyaninato(2-)-N29, N30, N31, N32 copper	0.20%

- . Remark:
 Polyvinyl alcohol (CAS NO. 9002-89-5)
 Synonym: PVA

29H, 31H-phthalocyaninato(2-)-N29, N30, N31, N32 copper (CAS NO. 147-14-8)
 synonym: Pigment blue 15

4. 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.

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.After swallowing:If symptoms persist consult doctor.

5. Fire-fighting measures

- .suitable extinguishing agents:
Co2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- .Protective equipment:Wear fully protective suit.

6. Accidental release measures

- .Person-related safety precautions:Wear protective clothing.
- .Measures for environmental protection:Do not allow to enter sewers/surface or ground water.
- .Measures for cleaning/collecting:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- .Additional information:No dangerous substances are released.

7. Handling and storage

- .Handling:
 - .Information for safe handling:
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of dust.
Handle with care. Avoid jolting, friction and impact.
 - .Information about fire-and explosion protection:The product is not flammable.
- .Storage:
 - .Requirements to be met by storerooms and receptacles:Store in a cool location.
 - .In formation about storage in one common storage facility:Store away from foodstuffs.
 - .Further information about storage conditions:Store in dry conditions.

8. Exposure controls/personal protection

.Additional information awater, distilled, conductivity or of similar purity

.Ingredients with limit values that require monitoring at the workplace:

7778-18-9 calcium sulphate, natural (46.2%)

PEL (USA)	15*5mg/m3 *total dust**respirable fraction
REL (USE)	10*5**mg/m3 *total dust**respirable fraction
TLV (USA)	101mg/m3

471-34-1 calcium carbonate (1.0%)

PEL (USA)	15*5mg/m3 *total dust**respirable fraction
REL (USE)	10*5**mg/m3 *total dust**respirable fraction
TLV (USA)	(10)*mg/m3 *NIC-Withdraw TLV((e))

- .DNELs Not available
- .PNECs Not available
- .Additional information:The lists valid during the making were used as basis.
- .Personal protective equipment:
 - .General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
 - .Respiratory protection:Suitable respiratory protective device recommended.

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.Protection of hands:

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 defradation

.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.As the product is a preparation of several substances,the resistance of the glowve 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 trough time has to be found out by the manufacturer of the protective gloves and has to be abserved.

.Eye protection:Goggles recommended during refilling

9. Physical and chemical properties

.General Information	
Form:	solid
Colour:	Blue, red, yellow
Odour:	Odourless
.Change in condition	
Melting point/Melting range:	Not available
Boiling point/Boiling range:	Not available
.Flash point:	Not available
.Flammability(solid,gaseous):	Not available
.Ignition temperature:	Not available
.Self-igniting:	Product is not selfigniting.
.Danger of explosion:	Product does not present an explosion hazard.
.Explosion limits:	
Lower:	Not available
Upper:	Not available
.Oxidizing properties	Not available
.Vapour pressure:	Not available
.Density:	Not available
.Relative density	Not available
.Vapour density	Not available
.Evaporation rate	Not available
.Solubility in /Miscibility with water	Not available
.PH-value:	Not available
.Segregation coefficient(n-octanol/water):	Not available
.Viscosity:	
Dynamic:	Not available

10. Stability and reactivity

.Thermal decomposition/conditions to be avoided:No decomposition if used according to specifications.

.Dangerous reactions No dangerous reactions known.

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.Dangerous decomposition products:No dangerous decomposition products known.

11. Toxicological information

.Acute toxicity:

.LD/LC50 values relevant for classification:

471-34-1 calcium carbonate

Oral	LD50	6450mg/kg (rat)
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900-89-5 Polyvinyl Alcohol

Oral	LD50	14270mg/kg (mouse)
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		23854mg/kg (rat)
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.Primary irritant effect:

.on the skin:Irritating effect possible.

.on the eye:Irritating effect possible.

.Sensitization:Sensitization possible.

.Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

.Toxicokinetics, metabolism and distribution Not available

.Acute effects (acute toxicity, irritation and corrosivity)Not available

12. Ecological information

.Information about elimination(persistence and degradability):Not available

.Behaviour in environmental systems:

.Mobility and bioaccumulation potential:Not available

.Ecotoxicological effects:

.Aquatic toxicity:Not available

.General notes:

Product is not selfigniting.

Water hazard class 1 (German Regulation) (SProduct does not present an explosion hazard.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

.PBT assessments Not available

13. Disposal considerations

.Product:

.Recommendation Smaller quantities can be disposed of with household waste

.Uncleaned packaging:

.Recommendation:Disposal must be made according to official regulations.

14. Transport information

.Land transport ADR/RID (cross-border)

.ADR/RID class:

.Danger code (Kemler):

. UN-Number:

.Packaging group:

.Hazard label:

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- .Description of goods:
- .Limited quantities(LQ)
- .Transport category
- .Tunnel restriction code
- .Maritime transport IMDG:
- .IMDG Class:
- .Label
- .Packaging group:
- .EMS Number:
- .Marine pollutant: No
- .Proper shipping name:
- .Air transport ICAO-TI and IATA-DGR:
- .ICAO/IATA Class:
- .UN/ID Number:
- .Label
- .Packaging group:
- .Proper shipping name:

15. Regulatory information

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.Section 355(extremely hazardous substances):	
None of the ingredients is listed.	
.Section 313(Specific toxic chemical listings):	
None of the ingredients is listed.	
.TSCA(Toxic Substances Control Act):	
7732-18-5	water, distilled, conductivity or of similar purity
7778-18-9	calcium sulphate, natural
471-34-1	calcium carbonate
.Proposition 65	
.Chemicals known to cause cancer:	
None of the ingredients is listed.	
.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:	
None of the ingredients is listed.	
.Carcinogenity categories	
.EPA(Environmental Protection Agency)	
None of the ingredients is listed.	
.IARC(International Agency for Research on Cancer)	
9002-89-5	Polyvinyl Alcohol
.NTP(National Toxicology Program)	
None of the ingredients is listed.	
.TLV(Threshold Limit Value established by ACGIH)	
None of the ingredients is listed.	
.NIOSH-Ca(National Institute for Occupational Safety and Health)	
None of the ingredients is listed.	

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. OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

. Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

The product has not been classified and marked in accordance with EU Directives/
respective national laws.

. Special labelling of certain preparations:

Safety data sheet available for professional user on request.

16. Other information

The contents and format of this MSDS/SDS are in accordance with REGULATION (EC) NO. 1907/2006,
EU Commission Directive 1999/45/EC, 67/548/EEC.

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