

VINYBLAN 902



**Nissin Chemical Industry Co.,
Ltd.**

5-13, Uchikanda 1-chome, Chiyoda-ku,
Tokyo, Japan
Tel: +81-3-3295-3931
Fax: +81-3-3295-3929

Revision date:2017/05/02
Date of enactment:2007/07/10
Version:3.2

SAFETY DATA SHEET

1. Chemical product and company identification

Trade name : VINYBLAN 902
Substance name : Colloidal dispersion of Vinyl chloride Based Copolymer
Company/undertaking : Nissin Chemical Industry Co., Ltd.
identification
Zip code : 101-0047
Street : 5-13, Uchikanda 1-chome, Chiyoda-ku, Tokyo, Japan
Tel : +81-3-3295-3931
Fax : +81-3-3295-3929
Department name : Quality Assurance Group/Environmental & Quality Management Division
Tel : +81-778-22-9998
Fax : +81-778-22-9998

2. Hazards identification

GHS classification

Physical hazards : Explosive / Classification not possible
: Flammable gases / Not applicable
: Flammable aerosol / Classification not possible
: Oxidising gases / Not applicable
: Gases under pressure / Not applicable
: Flammable liquids / Classification not possible
: Flammable solids / Not applicable
: Self-reactive substances and mixtures / Classification not possible
: Pyrophoric liquids / Classification not possible
: Pyrophoric solids / Not applicable
: Self-heating substances and mixtures / Classification not possible
: Substances and mixtures which in contact with water emit flammable
gases / Classification not possible
: Oxidising liquids / Classification not possible
: Oxidising solids / Not applicable
: Organic peroxide / Classification not possible
: Corrosive to metals / Classification not possible
Health hazards : Acute toxicity (oral) / Classification not possible

- : Acute toxicity (dermal) / Classification not possible
 - : Acute toxicity (inhalation:gas) / Classification not possible
 - : Acute toxicity (inhalation:vapour) / Classification not possible
 - : Acute toxicity (inhalation:dust,mist) / Classification not possible
 - : Skin corrosion/irritation / Classification not possible
 - : Serious eye damage/eye irritation / Classification not possible
 - : Respiratory sensitisation / Classification not possible
 - : Skin sensitisation / Classification not possible
 - : Germ cell mutagenicity / Classification not possible
 - : Carcinogenicity / Classification not possible
 - : Reproductive toxicity / Classification not possible
 - : Specific target organ toxicity (single exposure) / Classification not possible
 - : Specific target organ toxicity (repeated exposure) / Classification not possible
 - : Aspiration hazard / Classification not possible
- Environmental hazards
- : Hazardous to the aquatic environment - Acute Hazard / Classification not possible
 - : Hazardous to the aquatic environment - Chronic Hazard / Classification not possible
 - : Hazardous to the ozone layer / Classification not possible
- [Prevention precautionary statements]
- : Wear protective gloves, protective clothing, eye protection, face protection. (P280)
 - : Avoid release to the environment. (P273)
- [Response Precautionary Statements]
- : Get medical advice/attention if you feel unwell. (P314)
- [Storage precautionary statements]
- : Store in a well-ventilated place. Keep cool. (P403+P235)
- [Disposal precautionary statements]
- : Dispose of contents/container in accordance with local/regional/national/international regulations. (P501)

3. Composition/information on ingredients

Generic name : Colloidal dispersion of Vinyl chloride Based Copolymer

| Name | Concentration | Kanpo number | | CAS No |
|--------------------------------|---------------|--------------|---------|-----------|
| | | CSCL No | ISHL No | |
| Vinyl chloride based copolymer | 45 - 55% | Listed | Listed | Listed |
| Water | 40 - 50% | | | 7732-18-5 |

4. First aid measures

First-aid measures after : Remove the sufferers to fresh air places and keep themselves rest in an

| | | |
|---------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| inhalation | : | easy-to- breath position. Get medical advices immediately. |
| First-aid measures after skin contact | : | Take off contaminated clothes, shoes and socks. And wash sticking parts off with soap and plenty of water. If the external changes are observed or the symptoms such as irritation or itchy appears, get medical advices immediately. |
| First-aid measures after eye contact | : | Rinse immediately inner side of eyelid with plenty of water more than 20 minutes. Remove the contact lenses if possible. Get medical advices. |
| First-aid measures after ingestion | : | Rinse mouth thoroughly with water and get medical attention immediately, Never give anything through mouth to an unconscious person. |

5. Fire fighting measures

| | | |
|--------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media | : | Water and alkali salt, Fire foam, Dry chemical, Water mist |
| Unsuitable extinguishing media | : | Nothing in particular. |
| Fire hazard | : | This product itself is not a flammable compound. But dry film after evaporating water is flammable Carbon monoxide, hydrogen chloride, etc. may be generated under fire conditions. |
| Hazardous decomposition products in case of fire | : | In case of fire, hazardous decomposition products may be produced such as: Hydrogen chloride gas, Chlorocarbons, Carbon monoxide, carbon dioxide and residue of hydrocarbons. |
| Firefighting instructions | : | Cut off ignition sources to a fire origin and fight a fire employing a suitable fire extinguishing agent Cool by water spray around the fire site to prevent the fire extension. |
| Personal protection (Emergency response) | : | Wear suitable protective tools such as goggles, boots, gloves, and body suits as well as a self-contained breathing apparatus to avoid direct contact. Fight a fire from the windward. |
| Other information | : | One of the general procedures for chemical fires may be applied. Use appropriate extinguishing measures considering the local circumstances and environments. Never inhale such smoke, etc. as are generated at fire and/or explosion. Use water spray to cool unopened containers. Recover the water contaminated with fire extinguishing agents separately. Never discharge this water into drains. Fire residues and contaminated fire extinguishing water must be disposed of complying with local regulations. |

6. Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures

| | | |
|----------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General measures | : | Wear a self-contained breathing apparatus and suitable chemical protective clothes and tools, and work from windward. |
| Protective equipment | : | Put on protecting gloves, eyes, etc. to avoid to contact with skin or eye(s). |
| Emergency procedures | : | Clear off all of ignition sources immediately. |
| Protective equipment | : | Wear suitable protective tools such as goggles, boots, gloves, body suits and a self-contained breathing apparatus according to circumstances to avoid inhalation of and direct contact with materials in question. |
| Emergency procedures | : | Clear off all of ignition sources immediately Work from windward |

Stop release.

Environmental precautions : Never release this products to waters and soil
 If the products spill into rivers, lakes or marshes. inform the fire station or authorities of the local governments.

Methods and Equipment for Containment and Cleaning up

For containment : When the releasing materials are large, prevent spreading by cover with banking and the like and vacuum and recover with a pump,etc
 When the releasing materials are small, recover as mortar after mix with perlite, dirt, sawdust and/or the like.

Methods for cleaning up : Clean up the surroundings of the releasing area with water after recovery and recover the contaminated water as well.

Prevention Measures for Secondary Accidents : If the products spill into rivers, lakes or marshes. inform to the fire stations, authorities relating environment disruption, River Bureau, Water Supply Bureau, etc. of local governments, if necessary.

Other information : Take care of slip as released area becomes easy to slip.

7. Handling and storage

Handling

Technical measures : As polyvalent metal ions such as iron, copper, zinc, aluminum, etc. may cause collering, gelling, etc., pay care and attention for choice of storage installations, pipework, blenders and the like
 Use in well-ventilated areas.

Precautions for safe handling : Wear suitable personal protecting tools such as protecting gloves, protecting glasses, etc. according to circumstances to avoid to contact with skin or eye(s)
 Never treat containers roughly such as overturning, falling, dragging, impacting and the like.

Prevents handling of incompatible substances or mixtures : No information.

Hygiene measures : Wash hands at the end of each work shift before eating, smoking or using the toilet
 Never eat, drink nor smoke during work.

Storage precautionary statements

Storage conditions : Storage temperature must be kept not more than 5°C, or never exceed not less than 35°C
 Store indoor, preventing from sunlight and freezing
 Avoid dust, water, etc. coming into opened containers in use.

Technical measures : Keep containers stoppled tightly after use to prevent forming film.

Material used in packaging/containers : Use the containers having water resistance and durability, and avoid from contact with metals as possible
 In case of translocation, use stainless or polyethylene containers to prevent corrosion.

Incompatible materials : Strong oxidizers,Reactive metals. (sodium,calcium, zinc, etc.),Dehydrating agent

8. Exposure controls / Personal protection equipment

| | | |
|----------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Japan administration level | : | No data available |
| Exposure limits (JSOH) | : | No data available |
| Exposure limits (ACGIH) | : | No data available |
| Appropriate engineering controls | : | Install sealing equipments or local exhaust equipments at indoor work Express the place clearly where safety shower(s) and hand and eye washer(s) are equipped. |
| Respiratory protection | : | It is needless under normal conditions at well ventilated place In case of insufficient ventilation, wear suitable respiratory equipment |
| Hand protection | : | Impermeable protect gloves |
| Eye protection | : | Protective glasses with side plates |
| Skin and body protection | : | Protective boots, protective clothes |

9. Physical and chemical properties

| | | |
|--------------------------------------|---|------------------------------------------------------|
| Physical state | : | Liquid |
| Appearance | : | Milky-white liquid |
| pH | : | 7 - 10 |
| Melting point | : | No data available |
| Freezing point | : | >= |
| Boiling point | : | ≈ 100 °C |
| Flash point | : | Nothing |
| Explosive limits (g/m ³) | : | No data available |
| Explosive limits (vol %) | : | No data available |
| Vapour pressure | : | No data available |
| Relative vapour density at 20 °C | : | No data available |
| Specific gravity density | : | ≈ 1.1 g/cm ³ (relative density Water = 1) |
| Solubility | : | Possible to dilute infinitely with in water. |
| Log Pow | : | No data available |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |

10. Stability and reactivity

| | | |
|------------------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity | : | No reactivity with water |
| Chemical stability | : | Stable under room temperature. |
| Possibility of hazardous reactions | : | No information. |
| Conditions to avoid | : | No information |
| Incompatible materials | : | No information |
| Hazardous decomposition products | : | In case of fire, hazardous decomposition products may be produced such as:Hydrogen chloride gas, Chlorocarbons, Carbon monoxide, carbon dioxide and residue of hydrocarbons. |

11. Toxicological information

| | | |
|------------------------------------------------------------------|---|-------------------|
| Acute toxicity (oral) - Description | : | No data available |
| Acute toxicity (dermal) - Description | : | No data available |
| Acute toxicity (gas) - Description | : | No data available |
| Acute toxicity (vapour) - Description | : | No data available |
| Acute toxicity (dust) - Description | : | No data available |
| Acute toxicity (mist) - Description | : | No data available |
| LD50 oral rat | : | No data available |
| LD50 dermal rat | : | No data available |
| LD50 dermal rabbit | : | No data available |
| LC50 inhalation rat (ppm) | : | No data available |
| LC50 inhalation rat (mg/l) | : | No data available |
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | : | No data available |
| LC50 inhalation rat (Vapours - mg/l/4h) | : | No data available |
| Skin corrosion/irritation - Description | : | No data available |
| Serious eye damage/eye irritation - Description | : | No data available |
| Skin sensitization - Description | : | No data available |
| Respiratory sensitization - Description | : | No data available |
| Germ cell mutagenicity - Description | : | No data available |
| Carcinogenicity | : | No data available |
| Reproductive toxicity - Description | : | No data available |
| Specific target organ toxicity (single exposure) - Description | : | No data available |
| Specific target organ toxicity (repeated exposure) - Description | : | No data available |
| Aspiration hazard - Description | : | No data available |

12. Ecological information

| | | |
|---------------------------------------------------|---|-------------------|
| Hazardous to Aquatic Environment - Acute Hazard | : | No data available |
| Hazardous to Aquatic Environment - Chronic Hazard | : | No data available |

- Ecotoxicity : No data available
- Fish Toxicity / Other Toxicity : No data available
- LC50 fish 1 : No data available
- EC50 Daphnia 1 : No data available
- Persistence and degradability : No data available
- Chemical oxygen demand (COD) : No data available
- Bioaccumulative potential : No data available
- Ecology - soil : No data available
- Hazardous to the ozone layer : No data available
- Other information : It should not be allowed for the product to be run into drains, water courses or the soil.

13. Disposal considerations

- Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.
- Ecology - waste materials : Farm out to professional disposal treating traders in compliance with requirements of the nation and local governments.
- Contaminated container and packaging : Farm out dispose of the contents and packing materials to professional disposal treating traders in compliance with requirements of the nation and local governments
In case of disposal of empty container, dispose after complete removal in the container.

14. Transport information

International Regulations

UN-No. : Not applicable

Class (UN) : Not applicable

Regulations in Japan

UN-No. : Not applicable

Class (UN) : Not applicable

- Other information : At transportation, make sure of no leakage of packings, load the products without broken bags, falling, injury, etc., and prevent load collapses surely, See "7 Handling and storage".

15. Regulatory information

Regulatory reference

| Country name | Inventory List | Listed/Not listed | Country name | Inventory List | Listed/Not listed |
|--------------|----------------|-------------------|--------------|----------------|-------------------|
| USA | TSCA | *Not listed | Korea | KECI | Not listed |

| EU | EINECS | Listed | EU | REACH | No-Registered |
|-------------|--------|------------|----------------------------|-------|-------------------------|
| Canada | DSL | Not listed | People's Republic of China | IECSC | Simplified Notification |
| Australia | AICS | Not listed | Philippines | PICCS | Not listed |
| New Zealand | NZIoC | Not listed | Taiwan | ECN | Listed |

The Nissin Chemical Company is not able to check up the regulatory information in regard to the substances in your country or region, therefore, we request this matter would be filled by your responsibility.

*This product meets definition of Polymer Exemption for new chemicals under TSCA. Please ask us for more information.

16. Other information

- Data sources : Ref. 1."Safety Data Sheet" by Raw Material Manufacturers. 2.GHS Fourth Revised Edition. 3.NITE GHS Results of the Classification
- Other information : The description of this SDS is based upon materials, information and data which can be procured at present. However, we do not warrant any guarantee regarding the contents, physical and chemical properties, hazards and the like. The Products was developed for general industries' use. When applying to specific uses, it is hoped to confirm its safety by yourselves prior to the use