

Material Safety Data Sheet

1. Identification of the product and the supplier

1) Chemical Name

- PVC Compound (S-32-LF)

2) Advisable use and Restriction

- ☐ Advisable use : Wire & Cable , Molding
- ☐ Restriction of product using : Used for recommended use.

3) Manufacturer/Supplier/Distributor information

- ☐ Supplier : TSC Co., LTD.
- ☐ Address : #1237-5, CHUNGWANG-DONG, SHIHUNG-SHI, KYUNGGI-DO, KOREA
- ☐ Respondent : R&D Center , QA Team
- ☐ Emergency response number : 82-31-497-7171

2. Hazard identification

1) Hazard classification

- | | |
|----------------------------------|----------------------|
| - Acute toxicity | Class 5 |
| - Skin Corrosion/ Irritation | Class 2 |
| - Serious Eye Damage/Irritation | Class 2B |
| - Respiratory sensitizer | Class 1 |
| - Mutagenicity | Class 1B |
| - Germ cell mutagen city | Class 1B |
| - Carcinogenicity | Class 1 |
| - Reproductive toxicity | Class 1 |
| - Specific target organ toxicity | Class 1 |
| - Aspiration Hazard | Not available |

2) Allocation label elements

- ☐ Pictogram and symbol



- ☐ Signal word

- Danger

- ☐ Hazard statement

- Harmful if swallowed.
- May cause sensitization by eye contact and skin contact.
- May cause cancer.
- May cause heritable genetic damage.

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○ Precautionary statements

1) Prevention

- Wash thoroughly after handling.
- Prevent entry into waterways, sewers or basements.
- Use certificated protective equipment.

2) Response

- Eye contact : In case of contact with substance, flush eyes with amount of water for at least 15 minutes.
- Skin contact : Remove contaminated clothing and shoes. Wash skin with soap and water for at least 15 minutes.
- Ingestion : Get medical attention if swallowed amount of substance.
- Inhalation : Move victim to non-contaminated place in fresh air.

3) Storage

- Store in a closed container.
- Keep away from waterways and sewers.

4) Disposal

- Waste must be disposed of in accordance with federal, state and local environmental control regulations.

3. Composition/information on ingredients

Chemical Name	Common Name Synonyms	CAS No.	MAX Content
PVC	-	9002-86-2	35%
DINP	-	68515-48-0	25%
Calcium Carbonate	-	471-34-1	20%
Hydrotalcite	-	12363-58-5	4%
Zinc stearate	-	557-05-1	
Calcium stearate	-	1592-23-0	
Antimony trioxide	-	1309-64-4	5%
Aluminum hydrate	-	21645-51-2	10%
Additive Complex.	-	-	1%

4. First-aid measures

1) Eye contact

- In case of contact with substance, flush eyes with amount of water for at least 15 minutes.

2) Skin contact

- Remove contaminated clothing and shoes. Wash skin with soap and water for at least 15 minutes.

3) Ingestion

- Get medical attention if swallowed amount of substance.

4) Inhalation

- Move victim to non-contaminated place in fresh air.

5. Fire-fighting measures

1) Suitable (and unsuitable) extinguishing media:

- Suitable extinguishing media: dry chemical, CO₂, water, regular foam

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- 2) Specific hazards arising from the chemical (ex: hazardous combustion products)
- Containers may explode when heated.
 - It may produce HCl and toxic gases when combusted.
 - It begins to decompose at above 100 °C according to the increase of corrosive hydrogen chloride gas.
 - Thermal decomposition products: ethyl chloride, phosgene, vinyl chloride monomer, carbon
- 3) Special protective equipment and precautions for fire-fighters:
- Wear positive pressure self-contained breathing apparatus (SCBA).
 - Structural firefighters' protective clothing will only provide limited protection.

6. Accidental release measures

- 1) Personal precautions, protective equipment and emergency procedures:
- Stop leak if you can do it without risk.
 - Isolate exposed area.
 - Keep unauthorized personnel away.
 - Use certificated protective equipment.
 - Ventilate the leaked area.
- 2) Environmental precautions and protective procedures
- Ensure adequate ventilation.
 - Prevent entry into waterways, sewers or basements.
- 3) The methods of purification and removal
- Do not touch or walk through spilled material.
 - Prevent entry into waterways, sewers, basements or confined areas.

7. Handling and storage

- 1) Precautions for safe handling
- Wash thoroughly after handling.
 - Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures.
- 2) Conditions for safe storage:
- Store in a closed container.
 - Keep away from waterways and sewers.

8. Exposure controls/personal protection

- 1) Occupational Exposure Limits
- ☐ Korean Occupation of Safety and Health Regulation : Not available
 - ☐ ACGIH : Not available
- 2) Appropriate engineering controls
- Provide local exhaust ventilation system or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.
 - Check legal suitability of exposure level.
- 3) Personal protective equipment:
- ☐ Respiratory protection: Wear NIOSH or European Standard EN 149 approved full or half face piece (with goggles) respiratory protective equipment when necessary.
 - ☐ Eye protection:
 - Wear safety glasses to protect eyes from scattering toxic substance.
 - ☐ Hand protection: Wear chemical resistant gloves to avoid direct contact with chemical substance.
 - ☐ Body protection: Wear appropriate protective chemical resistant clothing to prevent exposure of skin.

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9. Physical and chemical properties

- 1) Appearance : Solid
- 2) Odor : Odorless
- 3) Melting point/freezing point : 180 °C
- 4) Flash point : Not available
- 5) Upper/lower flammability or explosive limits. : Not available
- 6) Evaporation rate : Not available
- 7) Specific gravity /Density : Not available
- 8) Solubility(ies) : Insoluble
- 9) Vapour pressure : Not available
- 10) n-octanol/water partition coefficient : Not available
- 11) Degradation temperature : Not available

10. Stability and reactivity

- 1) Chemical stability and Possibility of hazardous reactions
 - Stable under normal temperatures and pressures.
- 2) Conditions to avoid (e.g., static discharge, shock or vibration)
 - Avoid heat, flames, sparks and other sources of ignition.
 - Avoid contact with incompatible materials.
- 3) Incompatible materials: Avoid contact with strong acid, heat, flames, sparks and other sources of ignition.
- 4) Hazardous decomposition products: ethyl chloride, phosgene, vinyl chloride monomer, carbon

11. Toxicological information

Information of Health Hazardous

- ☐ Acute toxicity
 - GHS : **Class 5** ATEmix = 7,797
- ☐ Skin Corrosion/ Irritation :
 - GHS : **Class 2**
- ☐ Serious Eye Damage/Irritation
 - GHS : **Class 2B**
- ☐ Respiratory sensitizer
 - GHS : **Class 1**
- ☐ Mutagenicity
 - GHS : **Class 1B**
- ☐ Germ cell mutagenicity
 - GHS : **Class 1B**

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- ☐ Carcinogenicity
 - GHS : **Class 1**
- ☐ Reproductive toxicity
 - GHS : **Class 1**
- ☐ Specific target organ toxicity
 - GHS : **Class 1**
- ☐ Aspiration Hazard
 - **Not available**

12. Ecological information

- 1) Ecological toxicity
 - ☐ Acute toxicity
 - GHS : **Not available**
 - ☐ Chronic toxicity
 - GHS : **Not available**
- 2) Persistence and degradability
 - Not available
- 3) Bioaccumulative potential
 - Not available
- 4) Mobility in soil
 - Not available

13. Disposal considerations

- 1) Disposal method
 - Waste must be disposed of in accordance with federal, state and local environmental control regulations.
- 2) Disposal precaution
 - Consider the require attentions in accordance with waste treatment management regulation.

14. Transport information

- 1) UN Number : Not applicable
- 2) UN Proper shipping name : Not applicable
- 3) Transport Hazard class : Not applicable
- 4) Packing group : Not applicable
- 5) Marine pollutant : Not applicable
- 6) Special precautions
 - ☐ in case of fire: Not applicable
 - ☐ in case of spill: Not applicable

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15. Regulatory information

- 1) Korea
 - Not regulated
 - 2) EU classification
 - Not applicable
 - 3) U.S.A management information
 - Not regulated
 - 4) Japan management information:
 - Not applicable
 - 5) China management information
 - Not applicable
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16. Other information

- 1) Information source and references
 - National chemicals information systems (<http://ncis.nier.go.kr>)
 - Korea Occupational Health & Safety Agency: <http://www.kosha.net>
- 2) Issue date
2014-03-17
- 3) Revision number and date
- 4) Other material safety data sheet information
 - This MSDS were made of the informational purposes for the safe handling when education or use of the production department workers. Therefore we make no guarantee for result obtained, and assume no responsibility for damages incurred by use of this product. But the material used for the purpose of the data requested is available for further information.