Material Safety Data Sheet

1. Identification of the Substance/Preparation and Company

Product Details
Trade Name: S-LEC K KS-10

Supplier Details
Manufacturer's Name: SEKISUI CHEMICAL CO.,LTD.
Division: Chemical Speciality Division (CS Divlsion)
Address: 2-4-4 Nishitemma, Kita-ku, Osaka, 530-8565 Japan
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Emergency Telephone No.:
+81-(0)748-62-8175 (Japan) CS Technical Section, SEKISUI CHEMICAL CO.,LTD.
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+00(0)211-36977-0 (Germany) CS Technical Support, SEKISUI CHEMICAL GmbH.

2. Composition/Information on Ingredients

Classification as mono-substance or composition: Mono-substance

Chemical characterization:

Vinyl acetal polymers, acetals butyrals (≧ 95%) CAS number 70775-95-0*

This product contains water(≦ 5 %)as impurity.

3. Hazards Identification

Hazards categories: Not applicable

Carcinogenicity information:
This product does not contain 0.1% or more of those listed in OSHA or ACGIH as a carcinogen.

4. First Aid Measures

After inhalation: Gargle immediately and move into fresh air and keep calm. In the event of symptoms, take medical treatment.

After contact with skin: Wash with water and a mild cleanser.

After contact with eyes: Flush eyes immediately with plenty of water for at least 15 minutes, without rubbing eyes or eyelids. Seek medical advice in the event of irritation.

After ingestion: Rinse the inside of mouth with water. If possible, drink a large amount of water or salt water to induce vomiting. Get medical help.

5. Fire-Fighting Measures

Extinguishing Media:
Water Spray
Dry Powder
Carbon Dioxide
Class A Extinguishing Agent

Extinguishing Measure:

If possible, carry it out while taking precautions for gas generation.
Extinguish the fire from the windward side. Those on the leeward side should take refuge. Carry out in the same manner as an ordinary fire.
Do not use water jet. Use "water spray" not to spread the fire.
Wear an oxgen inhaler (oxgen cylinder, etc.) and full protective equipment.

6. Accidental Release Measures

Remove the ignitions away immediately, clean up with a vacuum cleaner or sweep up without causing dust, wearing appropriate personal protective equipment.

7. Handling and Storage

Handling:
Advice on safe handling
Use gloves, safety goggles and respiratory protection equipment.
Provide good ventilation of working area (local exhaust ventilation if necessary).
After handling, wash hands and gargle well.

All equipment should be bonded and grounded electrically to remove static electricity.

Don't use plastic bottles or bags to transfer big amounts of powder. It causes static electricity. The powder should not be come into contact with solvent directly through plastic bottles or equipments because this can cause a ignition.

Storage: Handle as a combustible. Take precautions against fire. Store in a place free of incendiary fire, etc.
Keep away from water. Do not store under direct sunshine.
Preferably store inside ventilated well.

8. Exposure Controls/Personal Protection

Personal Protective Equipment
Eye/face protection: Dust-proof glasses or goggles.

Respirators:
Wear dust-proof masks or respiratory protective equipment to prevent inhalation. Not usually required if local exhaust is sufficient.

Protective Clothing:
If there is a potential for contact with skin, wear appropriate impervious apron, pants, jacket. These should be anti-static.

Hands:
Appropriate gloves.

Other:
Local exhaust should be used in handling.

Exposure Limits: PEL (OSHA) None established.
TLV (ACGIH,1992-1993) 10 mg/m3 as dust.

9. Physical and Chemical Properties

Appearance:

Form: Powder or Granules
Colour: White

Boiing Point: Not applicable

Volatile: ≦ 5% (as water, under conditons of 20 ˚C、RH% ≦ 70)

Solubility in water: Negligible

Melting Point: ca. 160 ˚C (320 ˚F)

Odour: Slight

Specific Gravity: 1.1

Vapour Pressure: Not applicable

10. Stability and Reactibity

Flash point: Not applicable

Ignition Temperature: 390 ˚C (= 734 ˚F)

Ignitability: None
(self-ignitability, reactivity with water)

Oxidation Reactivity: None

Self reactivity, Explosivity: None (Polymerization will not occur)

Thermal decomposition: From 350 °C (662 °F) in air

Dust explosion: Lower limitation of dust concentration - 0.02 g/l

Other hazards:

Decomposition products
carbon monoxide, carbon dioxide, methan, n-butylaldehyde, formaldehyde, acetaldehyde, buthanol, methanol, Acrolein, Crotonaldehyde, Acetic acid, butyric acis, valeic acid, Hydrocarbons.

Incompatibility (Material to avoid)
Strong Oxidizers

11. Toxicological Information

Inhalation, Irritation:

Practically nonetoxic.

However, fumes generated at high temperatures such as decomposed gas or fire processing may cause irritation to the eyes or respiratory organs, and some gases may be toxic.

Acute Toxicity: LD50 > 5000 mg/Kg (oral-rat)

Subacute Toxicity: None known

Irritation (skin, eyes): Skin; None-irritating
Eyes; Irritating as foreign particles

Birth defect: None known

12. Ecological Information

No data available of decomposability, cumulativity, ichityotoxicity.
Low toxicity, but do not put in ponds, lakes or streams. Do not dispose in normal landfill.

13. Disposal Considerations

Waste disposal:

In accordance with Federal, State/Provincial and Local regulations, incineration is recommended. However, use a complete combustion type incinerator, because incomplete combustion may cause an explosion or can generate gas such as carbon

monoxide, aldehydes, etc. (described above).

In case of disposal landfill, it should be an approved chemical landfill where permitted under laws and regulations.

14. Transport Information

Treat the material as a combustible.
Avoid water (rain and sea water, etc.) not to damage the bags.
Do not use hooks in order to hang the bags.
Load bags so that they cannot fall.

15. Regulatory Information

U.S. Federal Regulations: TSCA Inventry Status Listed
EC: ECOIN/EINECS Inventry Status Listed

16. Other Information

For other information, contact

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