

## Material Safety Data Sheet

Safety data sheet in accordance with ISO 11014-1:2009, ANSI Z 400.1-2004 and 2001/58/EC

Trade name: S-LEC K KW-1

Position: 2011/ 1/ 6

Version: 8.00

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### 1. Identification of the Substance/Preparation and Company

#### Product Details

Trade Name: S-LEC K KW-1

#### Supplier Details

Manufacturer's Name: SEKISUI CHEMICAL CO.,LTD.

Division: Speciality Chemicals Division

Address: 3-17 Toranomom, 2-Chome, Minato-ku, Tokyo, 105-8450 Japan

Telephone No. : +81-(0)3-5521-0929 (Japan)

#### Emergency Telephone No. :

+81-(0)748-62-8175 (Japan) CS Technical Section, SEKISUI CHEMICAL CO.,LTD.

+ 1- 248-307-0000 (USA) CS Technical Support, Chemtrec (SEKISUI PRODUCTS LLC.)

+49-(0)211-36977-14 (Germany) CS Technical Support, SEKISUI CHEMICAL GmbH.

### 2. Hazards Identification

Hazards categories: not applicable

GHS indicate: This product does not contain the substance which needs a GHS display.

Carcinogenicity information:

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

### 3. Composition/Information on Ingredients

Classification as mono-substance or composition: composition(water solution)

Chemical characterization:

solid : Vinyl acetal polymers, acetals butyrals (20±3 %) CAS number 63148-65-2\*

solvent: water (80±3 %)

additives: Propane-1,2-diol (<300ppm) CAS number 57-55-6

5-chloro-2-metyl-2H-isothiazol-3-one (<12ppm) CAS number 26172-55-4

2-methyl-2H-isothiazol-3-one (<12ppm) CAS number 2682-20-4

EINECS No. Vinyl acetal polymers, acetals butyrals:

vinyl alcohol; 209-183-3, vinyl acetate; 203-545-4,  
butyraldehyde; 204-646-6

Propane-1,2-diol: 200-338-0, 5-chloro-2-metyl-2H-isothiazol-3-one: 247-500-7,  
2-methyl-2H-isothiazol-3-one: 220-239-6

Main uses: Binder for paint, ink, ceramics

### 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.

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#### 5. Fire-Fighting Measures

Extinguishing Media:

Water Spray

Class A Extinguishing Agent

Extinguishing Measure:

Recommend to use self-contained breathing apparatus and full protective clothing.

#### 6. Accidental Release Measures

Wipe off with paper or cloth. Safety goggles, impervious gloves and respiratory protection equipment are recommended. For residues, wash with much water and recommend to use defoamer to break down the foam.

#### 7. Handling and Storage

Handling:

Advice on safe handling

S-LEC K KW is not hazardous, but avoid unnecessary exposure and eye contact. Adequate safety equipment is recommended to avoid exposure to fumes and contact with the product. Wear safety goggles and impervious gloves.

Handle in accordance with good industrial hygiene and safety practices to avoid unnecessary exposure.

Storage:

Store in a place free of incendiary fire, etc.

Keep away from water. Do not store under direct sunshine.

Preferably store in well ventilated area.

Handle as a combustible the film obtained by drying material.

#### 8. Exposure Controls/Personal Protection

Personal Protective Equipment

Eye/face protection: glasses or goggles.

**Respirators:**

Wear 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.

**Hands:**

Appropriate gloves.

**Other:**

Local exhaust should be used in handling.

Exposure Limits: PEL (OSHA) None established.

TLV (ACGIH, 1992-1993) N.A.

**9. Physical and Chemical Properties**

**Appearance:**

Form: Solution

Colour: Light-yellow transparent

Boiling Point: 100°C

Solid Content: 20±3 (wt%)

Solubility in water: Soluble

Melting Point: N.A.

Odour: Slight

Specific Gravity: 1.06 (H<sub>2</sub>O=1)

Vapour Pressure: N.A.

**10. Stability and Reactivity**

Flash point: N.A.

Ignition Temperature: 390 °C (= 734 °F) (solid)

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: None

Other hazards:

Decomposition products

carbon monoxide, carbon dioxide, methane, n-butylaldehyde, formaldehyde, acetaldehyde, buthanol, methanol, Acrolein, Crotonaldehyde, Acetic acid, butyric acid, valeic acid, Hydrocarbons.

Incompatibility (Material to avoid)

Strong Oxidizers

11. Toxicological Information

Inhalation, Irritation:

Practically nontoxic.

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:

Burn in an approved incinerator or dispose of in an approved chemical landfill where permitted under local, state and federal laws and regulations.

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#### 14. Transport Information

Treat the film obtained by drying material as a combustible dust.

Take care not to vibrate intensely.

#### 15. Regulatory Information

U.S. Federal Regulations: TSCA Inventory Status: Listed

Canada: DSL Inventory Status: Listed

EC: ECOIN/ EINECS Inventory Status: Listed

#### 16. Other Information

For other information, contact

Chemical Speciality Technical Section

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This MSDS is based on our present state of knowledge, and presented as reference information for safety use.

It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.