

## SAFETY DATA SHEET

According to the OSHA Hazard Communication Standard (29 CFR 1910.1200)

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

**Product name:** LEAKMASTER LV-Z

**Manufacture/supplier**

**Manufacture/supplier** C.I. TAKIRON Corporation (formerly known as C.I. KASEI CO., LTD.)

**Department in Charge** Infrastructure Materials Dept.

**Address** 2-15-1 Konan, Minato-ku, TOKYO 108-6031 Japan

**Telephone number** +81-3-6711-4503

**Fax number** +81-3-6711-4509

**Emergency telephone number** +81-3-6711-4505

**Importer**

**Importer** ITOCHU Chemicals America Inc.

**Address** 360 Hamilton Avenue, 6th Floor, White Plains, NY 10601

**Telephone number** +1-914-333-7800 Attn: Functional Plastics & Retail Products Section

**Emergency telephone number** +1-914-333-7800 Attn: Functional Plastics & Retail Products Section

### SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture**

Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200-2012) [GHS]:

Classification
Acute tox. Inhal : 4 . Resp Sens : 1 Carc. : 2 STOT. RE : 2

**2.2. Label elements**

Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200) [GHS] :

<b>Symbols</b>	
<b>Signal word</b>	Danger

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<b>Hazard Statements</b>	Harmful if inhaled May cause allergy or asthma symptoms or breathing difficulties if Inhaled Suspected of causing cancer May cause damage to organs (inhalation organs, lung) through prolonged or repeated exposure
<b>Precautionary Statements</b>	Obtain special instructions before use. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapours/spray If exposed or concerned : Get medical advice/attention. Dispose of contents/container in accordance with local/regional/national/ international regulations.

**2.3. Unclassified hazards:** None

**2.4. Percentage of ingredients with unknown toxicity:**

45-55 percent of the mixture consists of ingredient of unknown acute toxicity.

45-55 percent of the mixture consists of ingredient of unknown hazard to the aquatic environment.

### SECTION 3: Composition/information on ingredients

**Product-type:** mixture

Name	%	CAS No.	Classification according to OSHA HCS (29 CFR 1910.1200)
Urethane pre-polymer	45~55	Trade secret	-
Inorganic filler	25~35	Trade secret	-
Aliphatic hydrocarbon	10~20	Trade secret	-
Silica ( amorphous )	5~10	Trade secret	-
Titanium dioxide	1~5	13463-67-7	-
Benzene, 1,1'-methylenebis [4-isocyanato-	<0.5	101-68-8	Acute tox. Inhal : 4, Skin Irrit : 2 Resp Sens : 1, Eye Irrit : 2 Skin Sens : 1, Carc. : 2 STOT. RE : 2, STOT. RE : 3

Specific chemicals identities and /or exact percentage of composition have been withheld as a trade secret.

VOC content is approx. wt.15%.

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Skin contact

Wash off immediately with plenty of soap and water. Take all contaminated clothing off immediately. Seek medical advice if irritation develops.

##### Eye contact

Immediately flush with large quantities of clean water for at least 15 minutes and call a physician.

##### Inhalation

Move affected person to fresh air. In case of exposure to respiratory system or mucous membranes, or if you feel unwell or in case of prolonged exposure, get medical attention.

##### Ingestion

Do not induce vomiting. See a physician immediately.

##### Note to physician

None

#### 4.2. Most important symptoms and effects, both acute and delayed

No data available

#### 4.3. Indication of any immediate medical attention and special treatment needed

No data available

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### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

Dry sand, foam, carbon dioxide or dry chemical agents.

#### 5.2. Specific hazards arising from the mixture

Smoke, fumes, oxides of carbon and NOx.

#### 5.3. Special protective equipment and precautions for firefighters

Firemen should wear normal protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

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Clean-up personnel should wear protective clothing and equipment to prevent inhalation of dusts and skin and eye contact.

### 6.2. Environmental precautions

Do not flush into the sewer.

### 6.3. Methods and material for containment and cleaning up

Carefully collect the spilled material and place in a bucket. The area should be thoroughly cleaned.

### 6.4. Reference to other sections

See Section 8+13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with eyes. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Avoid prolonged or repeated breathing of vapour. Avoid prolonged or repeated contact with skin. Do not allow it to reach to the waterways. Avoid vapor formation and ignition sources.

### 7.2. Conditions for safe storage, including any incompatibilities

Store away from heat / moisture / strong oxidizing agents.

### 7.3. Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Name	OSHA PEL <sup>2)</sup>		ACGIH TLV <sup>3)</sup>			
	TWA		STEL		TWA	
	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm
Titanium dioxide	15				10	
Benzene, 1,1'-methylenebis [4-isocyanato-		0.005				0.005

### 8.2. Exposure controls

#### Appropriate engineering controls

Where this material is not used in a closed system, good enclosure and local exhaust ventilation should be provided to control exposure.

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### Individual protection measures, such as personal protective equipment

**Eye/face protection:** Safety glasses or splash goggles. Contact lenses should not be worn.

#### Skin protection

**Hand protection:** Chemical resistant gloves. Wear overall and closed footwear.

**Other:** No information available

**Respiratory protection:** If vapors, mists or aerosols are generated, wear an approved respirator.

**Thermal hazards:** No information available

### Environmental exposure controls

Treat this product in accordance with the directives and regulations in the United States.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance:</b>	Gray putty
<b>Odor:</b>	Slight odor
<b>Odor threshold:</b>	No data available
<b>pH:</b>	No data available
<b>Melting point/freezing point [°F (°C)]:</b>	No data available
<b>Initial boiling point and boiling range [°F (°C)]:</b>	No data available
<b>Flash point [°F (°C)]:</b>	No data available
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Upper/lower flammability or explosive limits:</b>	No data available
<b>Vapor pressure (kPa):</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative density:</b>	1.25 at 77°F (25°C) <sup>1)</sup>
<b>Solubility</b>	
<b>water solubility:</b>	No data available
<b>fat solubility:</b>	No data available
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity (mPa•s):</b>	No data available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No specific test data related to reactivity available for this product or its ingredients.

#### 10.2. Chemical stability

Stable under normal ambient conditions (ambient temperature)

#### 10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

#### 10.4. Conditions to avoid

Keep away from heat, moisture and static discharges.

Cold condition ( below 5 °C)

#### 10.5. Incompatible materials

Keep away from oxidizing agents, peroxides and strong acid.

#### 10.6. Hazardous decomposition products

Thermal decomposition or combustion may produce oxides of carbon and oxides of nitrogen.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Acute toxicity:** No data available, but may be harmful if swallowed.

**Skin corrosion/irritation:** No data available, but may cause skin irritation

**Serious eye damage/irritation:** No data available, but may cause eye irritation

**Respiratory or skin sensitization:** No data available, but may be harmful if inhaled.

**Germ cell mutagenicity:** No data available.

**Carcinogenicity:** Not listed as a carcinogen by ACGIH, NTP, IARC, OSHA or NIOSH.

**Reproductive toxicity:** No data available

**STOT-single exposure:** No data available

**STOT-repeated exposure:** No data available but may cause damage to organs through prolonged or repeated exposure

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**Aspiration hazard:** No data available

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### SECTION 12: Ecological information

**12.1. Toxicity** No data available, but may be harmful to aquatic life

**12.2. Persistence and degradability** No data available

**12.3. Bioaccumulative potential** No data available

**12.4. Mobility in soil** No data available

**12.5. Results of PBT and vPvB assessment** No data available

**12.6. Other adverse effects** No data available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Incineration:** Should be in accordance with local regulations.

**Recycling:** Should be in accordance with local regulations.

**Land filling:** Should be in accordance with local regulations.

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### SECTION 14: Transport information

**14.1. UN number** See the below table

**14.2. UN proper shipping name** See the below table

**14.3. Transport hazard class(es)** See the below table

**14.4. Packing group** See the below table

**14.5. Environmental hazards** See section 14.2 in accordance with UN shipping name

**14.6. Special precautions for user** Relevant information under SECTION 6 to 8.

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### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

	UN No.	Class	Proper shipping name	Packing group	Marine pollutant
IMDG	None				None
ADR/RID	None				
ICAO/IATA	None				

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Not available.

#### US FEDERAL REGULATION:

TSCA: TSCA INVENTORY  registered  not registered

#### SARA TITLE III

##### SECTION 313 TOXIC CHEMICALS:

COMPONENT	CAS RN	Wt%
Benzene, 1,1'-methylenebis [4-isocyanato-	101-68-8	<0.5

##### California Prop. 65:

COMPONENT	CAS RN	Wt%
Benzene, 1,1'-methylenebis [4-isocyanato-	101-68-8	<0.5

#### INTERNATIONAL INFORMATION:

CEPA : DSL  registered  not registered

REACH (EU):  If you require information, please contact us.  not registered

### SECTION 16: Other information

- Reference:**
- 1) Our testing data
  - 2) OCCUPATIONAL SAFETY AND HEALTH STANDARDS (OSHA, 2015)
  - 3) Threshold limit values of chemical substances and physical agents and biological exposure indices ACGIH(2015)

#### Technical contact point

Japan/USA : C.I. TAKIRON Corporation

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