

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Substance  
Name : KV-630 Additive  
Product code : KV-630

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Professional use, Industrial use  
Industrial/Professional use spec : Industrial  
For professional use only  
Use of the substance/mixture : Additive

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

ICD High Performance Coatings + Chemistries  
7350 S. Union Ridge Parkway  
Ridgefield, WA 98642  
United States of America

Tel: +1 (360) 546 2286  
Fax: +1 (360) 546 2287

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
UNITED STATES OF AMERICA	ICD High Performance Coatings + Chemistries	7350 S. Union Ridge Parkway Ridgefield, WA 98642	: +1 (360) 546 2286

### SECTION 2: Hazards identification

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

##### GHS Classification

Serious eye damage : Category 1  
Acute aquatic toxicity : Category 1

Full text of H-phrases mentioned in this Section: see Section 16

#### 2.2. Label elements

##### GHS Labelling

Hazard pictograms



Signal word

: Danger

Hazard statements

: Causes serious eye damage  
Harmful to aquatic life

Precautionary statements

: **Prevention:**  
Avoid release into the environment. Wear  
eye protection / face protection.

US SDS EN (English)

### Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or a doctor / physician.

### Disposal:

Dispose of contents/ container in accordance with existing federal, state, and local environmental control laws.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Formula :  $C_9H_{20}O_5Si$   
Molecular weight : 236.34 g/mol

### Hazardous ingredients:

Name	CAS No.	Concentration (Wt %)
[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane	2530-83-8	<= 100%

### 3.2. Mixture

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
First-aid measures after inhalation	: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
First-aid measures after skin contact	: Wash off with soap and plenty of water. Consult a physician.
First-aid measures after eye contact	: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	: None known.

### 5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting	: No data available.
Hazardous combustion products	: No data available.

### 5.3. Advice for firefighters

Firefighting instructions	: Wear self-contained breathing apparatus for firefighting if necessary.
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### SECTION 6: Accidental release measures

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

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

#### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

#### 6.4. Reference to other sections

Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- |                               |   |
|-------------------------------|---|
| Local/Total ventilation       | : Use only with adequate ventilation.   |
| Precautions for safe handling | : Avoid inhalation of vapour or mist.<br>For precautions see section 2.2.       |
| Hygiene measures              | : Wash contaminated clothing before reuse. Wash skin thoroughly after handling. |

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

- |                        |  |
|------------------------|--|
| Storage conditions     | : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.<br>Storage class (TRGS 510): Combustible liquids |
| Incompatible materials | : Strong oxidizing agents.   |

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Contains no substances with occupational exposure limit values

#### 8.2. Exposure controls

- |                                  |  |
|----------------------------------|--|
| Appropriate engineering controls | : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.   |
| Personal protective equipment    | : Protective clothing. Protective goggles. Gloves.   |
| Hand protection                  | : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.<br><br>Full contact Material: butyl-rubber<br>Minimum layer thickness: 0.3 mm<br>Break through time: 480 min Material tested: Butoject® (KCL 897 / Aldrich Z677647, Size M)<br><br>Splash contact Material: Nature latex/chloroprene<br>Minimum layer thickness: 0.6 mm<br>Break through time: 240 min Material tested: Lapren® (KCL 706 / Aldrich Z677558, Size M) |
| Eye protection                   | : Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).  |
| Skin and body protection         | : Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.  |

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### Respiratory protection

: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).



### Other information

: Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product. Emergency showers and eye wash stations should be available. Store separate from food products.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: Liquid
Colour	: Colorless
Odour	: Aromatic
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 120 °C (248 °F) at 3 hPa (2 mmHg) - lit.
Flash point	: 122 °C (252 °F) - Cleveland open cup
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.07 g/cm <sup>3</sup> at 25 °C (77 °F)
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Lower Explosion Limit	: Lower explosion limit: 0.43 %(V)
Upper Explosion Limit	: No data available
Oxidising properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Hazardous polymerization does not occur.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

No data available.

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### 10.5. Incompatible materials

Oxidizing agents.

### 10.6. Hazardous decomposition products

Hazardous decomposition products - Carbon oxides, silicon oxides Reacts with water to form: - Methanol is given off during processing and by reaction with water. Other decomposition products - No data available In the event of fire: see section 5.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Likely routes of exposure : Inhalation. Skin contact. Ingestion. Eye contact.

Acute toxicity : Not classified based on available data.  
Acute oral toxicity estimate: >5000 mg/kg  
Method: calculation method

Skin corrosion/irritation : Not classified based on available data.

Serious eye damage/eye irritation : Causes serious eye damage.

Ingredient	Species	Result	Remarks
[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane	Rabbit	Irreversible effects on the eye	Information taken from reference works and the literature.

Skin sensitization : Not classified based on available information.

Respiratory sensitization : Not classified based on available information.

Germ cell mutagenicity : Not classified based on available information.

Carcinogenicity : Not classified based on available information.

IARC : No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA : No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP : No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity : Not classified based on available information.

Specific target organ toxicity (single exposure) : Not classified based on available information.

Specific target organ toxicity (repeated exposure) : Not classified based on available information.

Repeated dose toxicity : Not classified based on available data.

Aspiration hazard : Not classified based on available data.

Potential adverse human health effects and symptoms : Not classified based on available data.

Further Information : RTECS: VV4025000 Material may form a siloxane polymer on the skin, eyes, or in the lungs. In the event of direct contact of the liquid with these tissues, seek medical attention. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12: Ecological information

### 12.1. Toxicity

Acute aquatic toxicity : Harmful to aquatic life.

Toxicity to fish : LC50 - Cyprinus carpio (Carp) - 55 mg/l - 96 h LC0  
- Cyprinus carpio (Carp) - 30 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates	: EC50 - Daphnia magna (Water flea) - 473 mg/l - 48 h
Toxicity to algae	: EC50 - Desmodesmus subspicatus (green algae) - 255 mg/l - 72 h
Chronic aquatic toxicity	: Not classified based on available data.

### 12.2. Persistence and degradability

#### Ingredients:

Ingredient	Results
[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane	Result: - Readily biodegradable.

### 12.3. Bioaccumulative potential

No data available.

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Harmful to aquatic life. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Resource Conservation and Recovery Act (RCRA)	: Contact a licensed professional waste disposal service to dispose of this material. Offer surplus and non-recyclable solutions to a licensed disposal company.
Waste from residues	: Dispose of in accordance with local regulations.
Contaminated packaging	: Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

Not dangerous goods in terms of transport regulations

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR)	: Not applicable
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#### IMDG

Transport hazard class(es) (IMDG)	: Not applicable
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#### IATA

Transport hazard class(es) (IATA)	: Not applicable
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#### ADN

Transport hazard class(es) (ADN)	: Not applicable
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### RID

Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

Packing group (ADR) : Not applicable  
 Packing group (IMDG) : Not applicable  
 Packing group (IATA) : Not applicable  
 Packing group (ADN) : Not applicable  
 Packing group (RID) : Not applicable

### 14.5. Domestic regulation

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#### CFR

Not regulated as dangerous goods

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Non-regulated

#### 14.6.2. Transport by sea

Non-regulated

#### 14.6.3. Air transport

Non-regulated

#### 14.6.4. Inland waterway transport

Carriage prohibited (ADN) : No  
 Not subject to ADN : No

#### 14.6.5. Rail transport

Carriage prohibited (RID) : No

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### EPCRA – Emergency Planning and Community Right-to-Know SARA

##### 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ

**SARA 311/312 Hazards** : Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### 15.1.2. National regulations

#### US State Right To Know Regulations

Ingredient	CAS No.	Concentration (Wt %)
[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane	2530-83-8	<= 100%

#### California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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### The ingredients of this product are reported in the following inventories:

REACH	: All ingredients (pre)registered or exempt.
TSCA	: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
DSL	: All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or are exempt from listing on the Canadian Domestic Substances List (DSL).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Internal technical data, data from raw material SDS's, and OECD eChem Portal search results.
Other information	: None.

### Full text of H- phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Carc. 1A	Carcinogenicity, Category 1A
Carc. 1A	Carcinogenicity (inhalation) Category 1A
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H350	May cause cancer
H350i	May cause cancer by inhalation
H372	Causes damage to organs through prolonged or repeated exposure

### SDS EU\_NSC

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*