

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME KRISTENSEN'S DECALCIFYING FLUID

PRODUCT CODE 64112x

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## 2. HAZARDS IDENTIFICATION

CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

Skin Corrosion (Category 1B) H314

LABELLING ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

DANGER



Hazard statement(s)

H314 Causes severe skin burns and eye damage

Precautionary statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 Immediately call a POISON CENTER or doctor/physician

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC #	CAS #	Content	Classification
FORMIC ACID	200-579-1	64-18-6	10-90%	Skin Corr. 1A; Flam. Liq. 3 H226, H314
SODIUM FORMATE	205-488-0	141-53-7	1-5%	

## 4. FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get prompt medical attention.

## INGESTION

Do not induce vomiting. Rinse mouth with water. Never make an unconscious person vomit or drink fluids. Get medical attention immediately.

## SKIN CONTACT

Remove contaminated clothes and rinse skin thoroughly with water. Seek medical attention.

## EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention.

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## **5. FIRE-FIGHTING MEASURES**

### EXTINGUISHING MEDIA

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### PROTECTIVE MEASURES IN FIRE

Self-contained breathing apparatus if necessary.

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## **6. ACCIDENTAL RELEASE MEASURES**

### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid breathing vapour. Ensure adequate ventilation. Evacuate personnel.

### ENVIRONMENTAL PRECAUTIONS

Do not allow spillage to enter watercourses, drains or sewers. Stop further spillage if possible without risk.

### SPILL CLEAN-UP METHODS

Sweep up into bag and hold for hazardous disposal. Avoid creating dust. Ventilate area.

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## **7. HANDLING & STORAGE**

### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Provide adequate exhaust where dust is raised.

### STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

### STORAGE CLASS

Chemical storage.

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## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

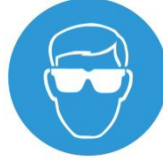
Name	Std	8h TWA		STEL	
FORMIC ACID	WEL	5 ppm	9.6 mg/m <sup>3</sup>		

*WEL – Workplace Exposure Limit; 8h TWA – 8-hour Time-Weighted Average; STEL – Short-Term EL.*

## ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

## PROTECTIVE EQUIPMENT



### HAND PROTECTION

Use protective gloves. The most suitable glove should be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

### EYE PROTECTION

Wear approved, tight-fitting safety glasses where splashing is probable.

### RESPIRATORY EQUIPMENT

Self-contained breathing apparatus where high dust levels are likely.

### OTHER PROTECTION

Provide eyewash station.

### HYGIENE MEASURES

**DO NOT SMOKE IN WORK AREA!** Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

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## **9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Colourless liquid
ODOUR	Acidic
SOLUBILITY	Water, Ethanol
MELTING POINT	~100 °C

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## **10. STABILITY AND REACTIVITY**

### STABILITY

Stable under normal temperature conditions and recommended use.

### INCOMPATIBLE MATERIALS

Strong oxidisers, strong bases.

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## **11. TOXICOLOGICAL INFORMATION**

### INHALATION

May be harmful if inhaled. May cause upper respiratory tract irritation.

### INGESTION

May be harmful if swallowed. Causes burns.

## SKIN CONTACT

May be harmful by skin absorption. Causes burns.

## EYE CONTACT

Causes eye burns.

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## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY

Not regarded as dangerous for the environment. However, the product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

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## 13. DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

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## 14. TRANSPORT INFORMATION

	UN #	Class	Packing	Proper shipping name
<u>RID / ADR</u>	3412	8	II	Formic Acid
<u>IATA</u>	3412	8	II	Formic Acid
<u>IMDG</u>	3412	8	II	Formic Acid

### SIGNAGE



### ENVIRONMENTAL HAZARDS

RID / ADR	No
IATA	No
IMDG	No

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## 15. REGULATORY INFORMATION

### STATUTORY INSTRUMENTS

This MSDS complies with regulation (EC) no. 1907/2006.  
Workplace Exposure Limits EH40/2011.

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## 16. OTHER INFORMATION

### GENERAL INFORMATION

This safety data sheet covers all codes for this product.

### REVISION INFORMATION

Revision No.	02
Revision Date	10/2015
Comments	CHIP regulations removed
Replaces Document Generated	03/2013

### HAZARD STATEMENTS IN FULL

H226	Flammable liquid and vapour
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation