

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

PRODUCT NAME VERHOEFF'S DIFFERENTIATING FLUID

PRODUCT CODE 64145x

SUPPLIER Clin-Tech Limited  
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## 2. HAZARDS IDENTIFICATION

CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]  
Not a dangerous substance according to GHS.

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

Hazard statement(s)  
None required

Precautionary statement(s)  
None required

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC #	CAS #	Content	Classification
IRON (III) CHLORIDE HEXAHYDRATE	231-729-4	10025-77-1	1-5%	H290 H302 H315 H318 H411

## 4. FIRST-AID MEASURES

INHALATION  
Move the exposed person to fresh air. Perform artificial respiration if breathing has stopped.

INGESTION  
Rinse mouth with water. Never make an unconscious person vomit or drink fluids.

SKIN CONTACT  
Remove contaminated clothes and rinse skin thoroughly with water.

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.

## 5. FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

Use: Water spray, Alcohol-resistant foam, Dry chemicals, 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. Evacuate personnel to a safe area. Avoid aerosol formation. Avoid breathing aerosols. Ensure adequate ventilation.

### ENVIRONMENTAL PRECAUTIONS

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

### SPILL CLEAN-UP METHODS

Flush area with water – do not allow water to enter drains. Absorb with disposable towels and hold for hazardous disposal – see section 13.

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## 7. HANDLING & STORAGE

### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Avoid aerosol formation. Provide adequate exhaust function where aerosol is likely.

### STORAGE PRECAUTIONS

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

### STORAGE CLASS

Chemical storage.

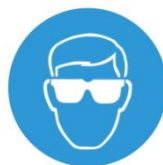
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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 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 aerosols 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	Yellow Liquid
ODOUR	None
SOLUBILITY / MISCIBLE WITH	Water; Ethanol

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## **10. STABILITY AND REACTIVITY**

### STABILITY

Stable under normal temperature conditions and recommended use.

### INCOMPATIBLE MATERIALS

Strong oxidizers.

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## **11. TOXICOLOGICAL INFORMATION**

TOXIC DOSE                      None recorded

### INHALATION

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

### INGESTION

May be harmful if swallowed.

### SKIN CONTACT

May be harmful if absorbed through skin. May cause skin irritation.

### EYE CONTACT

May cause eye irritation.

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## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY

None recorded.

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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>	<i>Not regarded as hazardous for transport</i>			
<u>IATA</u>				
<u>IMDG</u>				

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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. 03  
Revision Date 10/2015  
Comments CHIP regulations removed  
Replaces Document Generated 03/2013

### HAZARD STATEMENTS IN FULL

H290 May be corrosive to metals  
H302 Harmful if swallowed  
H315 Causes skin irritation  
H318 Causes serious eye damage  
H411 Toxic to aquatic life with long lasting effects