



# SAFETY DATA SHEET

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Date : 14 / 10 / 2016

Supersedes : 15 / 4 / 2016

## Degommier discolouring solution

**320800**

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

#### 1.1. Product identifier

Trade name : Degommier discolouring solution

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

Use : In vitro diagnostic medical device.  
For professional use only.

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

Company identification : RAL DIAGNOSTICS  
Site Montesquieu  
33650 MARTILLAC FRANCE  
Tel : +33 (0) 5 57 96 04 04 Fax : +33 (0) 5 57 96 04 05  
www.ral-diagnostics.com  
Email: commercial@ral-diagnostics.fr

#### 1.4. Emergency telephone number

Emergency phone nr : ORFILA : +33 (0) 1 45 42 59 59

### SECTION 2 Hazards identification

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

##### Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

• Physical hazards : Flammable liquids - Category 2 - Danger - (CLP : Flam. Liq. 2) - H225

#### 2.2. Label elements

##### Labelling Regulation EC 1272/2008 (CLP)

• Hazard pictograms



• Hazard pictograms

: GHS02

• Signal words

: Danger

• Hazard statements

: H225 - Highly flammable liquid and vapour

• Precautionary statements

• Prevention

: P233 - Keep container tightly closed  
P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

#### 2.3. Other hazards

Other hazards : None under normal conditions.

### SECTION 3 Composition/information on ingredients

Substance / Preparation : Preparation.

This product is considered to be hazardous and contains hazardous components.

Substance name	Value(s)	CAS nr	EINECS nr	EC index	REACH	Classification
Ethanol	: ca 90 %	64-17-5	200-578-6	603-002-00-5	01-2119457610-43-XXXX	Flam. Liq. 2;H225
Hydrochloric acid, 37%	: < 1 %	7647-01-0	231-595-7	017-002-01-X	----	Skin Corr. 1B;H314 STOT SE3; H335

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### SECTION 4. First aid measures

#### 4.1. Description of first aid measures

##### First aid

- **Inhalation** : If overcome by exposure, remove victim to fresh air immediately.
- **Skin contact** : Rinse immediately with plenty of water. Seek medical attention if ill effect or irritation develops.
- **Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- **Ingestion** : Rinse mouth. Seek medical attention if ill effect develops.

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

- **Inhalation** : Symptoms of overexposure to vapours include : Headache.
- **Skin contact** : Repeated or prolonged skin contact may cause irritation.
- **Eye contact** : Redness, pain. Blurred vision. Burning sensation.
- **Ingestion** : Ingestion may cause nausea, vomiting and diarrhea. Must not come into contact with food or be consumed.

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

No data available.

### SECTION 5. Fire-fighting measures

#### 5.1. Extinguishing media

**Extinguishing media** : Powder. Carbon dioxide. Use extinguishing media appropriate for surrounding fire.

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

**Special exposure hazards** : When mixed with air and exposed to ignition source, can burn in open air or explode if confined.

#### 5.3. Advice for fire-fighters

- Flammable class** : Highly flammable.
- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.
- Prevention** : Keep away from sources of ignition. No smoking.
- Special procedures** : Exercise caution when fighting any chemical fire.

### SECTION 6. Accidental release measures

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

**Personal precautions** : Wear suitable respiratory equipment. Equip cleanup crew with proper protection.

#### 6.2. Environmental precautions

**Environmental precautions** : Prevent entry to sewers and public waters.

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

**After spillage and/or leakage** : Remove ignition sources. Clean up any spills as soon as possible, using an absorbent material to collect it. Dispose in a safe manner in accordance with local/national regulations.

#### 6.4. Reference to other sections

See Heading 8.



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### SECTION 7. Handling and storage

#### 7.1. Precautions for safe handling

- General** : Store and handle as though always a serious potential fire/explosion. Keep away from sources of ignition - No Smoking.
- Handling** : Handle in accordance with appropriate industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Keep away from food, drink and animal feeding stuffs. When using do not smoke.

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

- Storage** : Keep bottles closed when not in use. Store in dry, cool, well-ventilated area. Keep away from heat.

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

Not applicable.

### SECTION 8. Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational Exposure Limits

##### On ingredients

- Hydrochloric acid, 37%**
- : VLE - France [ppm] : 5
  - : VLE - France [mg/m<sup>3</sup>] : 7.6
  - : VLE - CEE [ppm] : 10
  - : VLE - CEE [mg/m<sup>3</sup>] : 15
  - : VME - CEE [ppm] : 5
  - : VME - CEE [mg/m<sup>3</sup>] : 8
  - : VLE - Unated States [ppm] : 2
  - : VME - Germany [ppm] : 2
  - : VME - Germany [mg/m<sup>3</sup>] : 3
- Ethanol**
- : VLE - France [ppm] : indicative 5000
  - : VLE - France [mg/m<sup>3</sup>] : indicative 9500
  - : VME - France [ppm] : indicative 1000
  - : VME - France [mg/m<sup>3</sup>] : indicative 1950
  - : VME - Unated States [ppm] : indicative 1000
  - : VME - Unated States [mg/m<sup>3</sup>] : indicative 1880
  - : VME - Germany [ppm] : indicative 500
  - : VME - Germany [mg/m<sup>3</sup>] : indicative 960

#### 8.2. Exposure controls

##### Personal protection



- **Respiratory protection** : When risk assessment shows air-purifying respirators are appropriate, Use a full-face cartridge combination (U.S.) or type ABEK (EN 14387). If the respirator is the sole means of protection, use a respirator with full-face. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- **Hand protection** : Gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.  
In full:  
Material: nitrile rubber.  
Minimum thickness: 0.56 mm.  
Break through time: 315 min.

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### SECTION 8. Exposure controls/personal protection (continued)

**• Skin protection****• Eye protection****• Ingestion****Industrial hygiene**

Proposed equipment : SOL-VEX® (Ansell 37-185).

In the event of splashes:

Material: nitrile rubber.

Minimum thickness: 0.10 mm.

Break through time: 16 min.

Proposed equipment : Touch N Tuff® (Ansell 92-500 ou 92-670).

Source of data: Ansell Healthcare Europe N.V., Riverside Business Park, Block J, Boulevard International 55, B-1070 Brussels, Belgium, Tel. +32 (0)2 528 74 00, e-mail : info@ansell.eu.

: Wear proper protective equipment. Choose body protection in relation to the dangerousness of the product, its concentration and the amounts used depending on the workstation.

: Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

: When using, do not eat, drink or smoke.

: Provide good ventilation in process area to prevent formation of vapour. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

### SECTION 9. Physical and chemical properties

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

##### 9.1.a. Appearance

Physical state : Liquid.

Colour : Colourless.

##### 9.1.b. Odour

Odour : Alcohol.

##### 9.1.c. Odour threshold

No data available.

##### 9.1.d. pH

pH value : &lt; 2

##### 9.1.e. Melting point / Freezing point

No data available.

##### 9.1.f. Initial boiling point - boiling range

No data available.

##### 9.1.g. Flash point

Flash point [°C] : 17.5

##### 9.1.h. Evaporation rate

No data available.

##### 9.1.i. Flammability

No data available.

##### 9.1.j. Explosion limits (lower - upper)

No data available.

##### 9.1.k. Vapour pressure

No data available.

##### 9.1.l. Vapour density

No data available.



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### SECTION 9. Physical and chemical properties (continued)

#### 9.1.m. Relative density

Density : 0.825-0.835

#### 9.1.n. Solubility

No data available.

#### 9.1.o. Partition coefficient : n-octanol / water

No data available.

#### 9.1.p. Auto-ignition temperature

No data available.

#### 9.1.g. Thermal decomposition

No data available.

#### 9.1.r. Viscosity

No data available.

#### 9.1.s. Explosive Properties

No data available.

#### 9.1.t. Oxidising properties

No data available.

#### 9.2. Other information

No data available.

### SECTION 10. Stability and reactivity

#### 10.1. Reactivity

No data available.

#### 10.2. Chemical stability

Physico-chemical stability : Stable in normal temperature and pressure conditions.

#### 10.3. Possibility of hazardous reactions

Hazardous reactions : May release flammable gases.

Hazardous properties : In use, may form flammable/explosive vapour-air mixture.

#### 10.4. Conditions to avoid

Conditions to avoid : Open flame. Overheating. Sparks.

#### 10.5. Incompatible materials

No data available.

#### 10.6. Hazardous decomposition products

No data available.



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### SECTION 11. Toxicological information

#### 11.1. Information on toxicological effects

##### • Acute toxicity

##### On ingredients

Hydrochloric acid, 37% : Rabbit dermal LD50 [mg/kg] : > 5010  
: Rat oral LD50 [mg/kg] : 700  
: Rabbit oral LD50 [mg/kg] : 900

Ethanol : Rat oral LD50 [mg/kg] : 5000 - 20000  
: Rat inhalation LC50 [ppm/4h] : 20000 - 30000  
: Mouse oral LD50 [mg/l/4h] : 20

Sources of key data used : INRS and ESIS

- Skin corrosion/irritation : No data available.
- Serious eye damage/irritation : No data available.
- Respiratory or skin sensitisation : No data available.
- Germ cell mutagenicity : No data available.
- Carcinogenicity : No data available.
- Reproductive toxicity : No data available.
- STOT-single exposure : No data available.
- STOT-repeated exposure : No data available.
- Aspiration hazard : No data available.
- Potential effects on health : Ingestion may cause nausea, vomiting and diarrhea.
- Signs and symptoms of exposure : No data available.

### SECTION 12. Ecological information

#### 12.1. Toxicity

##### On ingredients

Ethanol : LC50-96 Hour - fish [mg/l] : 11000  
: 48 H-LC50 - Daphnia magna [mg/l] : 9268 - 14221  
: 48 H-CE50 - Algae [mg/l] : 5000

#### 12.2. Persistence - 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

Not release to the environment.



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### SECTION 13. Disposal considerations

#### 13.1. Waste treatment methods

**Disposal**: Dispose of this material and its container at hazardous or special waste collection point.  
Dispose in a safe manner in accordance with local/national regulations.

### SECTION 14. Transport information

#### 14.1. UN number

• UN No. : 1987

#### 14.2. UN proper shipping name

• Proper shipping name : ALCOHOLS, N.O.S. (Ethanol solution)

#### 14.3. Transport hazard class(es)

## • Hazard Label(s)

• Class : 3: Flammable liquids  
- H.I. nr : 33  
• Classification code : F1

#### 14.4. Packing group

• ADR Packing group : II  
• IMO Packing group : II  
• IATA Packing group : II

#### 14.5. Environmental hazards

• IMDG-Marine pollution : Yes

#### 14.6. Special precautions for user

**Emergency action in case of accident**

• IMO-IMDG code : FS : F-E - S-D

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

Not applicable.

### SECTION 15. Regulatory information

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

Ensure all national/local regulations are observed.

#### 15.2. Chemical Safety Assessment

A chemical safety assessment has not been performed.

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**SECTION 16. Other information**

**H Substances ' sentences' text** : H225 - Highly flammable liquid and vapour  
 H314 - Causes severe skin burns and eye damage.  
 H335 - May cause respiratory irritation.  
**Revision** : 8  
**Print date** : 14 / 10 / 2016  
**Further information** : Product intended for professional use only.

The contents and format of this SDS are in accordance with REGULATION (EC) No 453/2010 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.

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