SAFETY DATA SHEET
Leishmans Stain

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

1.1. Product identifier
Product name                   Leishmans Stain
Product number                PL.7047

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses                Laboratory reagent.
Uses advised against          No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet
Supplier                      Pro-Lab Diagnostics
                               3 Bassendale Road
                               Wirral
                               Merseyside
                               CH62 3QL
                               Tel: 0151 353 1613
                               Fax: 0151 353 1614
                               mowen@pro-lab.com

1.4. Emergency telephone number
Emergency telephone           +44 (0)151 353 1613 Monday to Friday 9.00 to 17.00
                               +44 (0)7714 429 646 outside the above hours

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards              Flam. Liq. 2 - H225
Health hazards                Acute Tox. 4 - H332 Eye Irrit. 2 - H319 STOT SE 2 - H371
Environmental hazards         Not Classified

Human health                  May irritate eyes. Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Physicochemical               The product is highly flammable.

2.2. Label elements
Pictogram

Signal word                   Danger
Hazard statements             H225 Highly flammable liquid and vapour.
                               H319 Causes serious eye irritation.
                               H332 Harmful if inhaled.
                               H371 May cause damage to organs.
Leishmans Stain

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor.

Contains

methanol

Supplementary precautionary statements

P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P260 Do not breathe vapour/ spray.
P264 Wash contaminated skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTRE/doctor if you feel unwell.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Substance</th>
<th>Percentage</th>
<th>EC number</th>
<th>REACH registration number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethanol</td>
<td>50 - 100%</td>
<td>200-578-6</td>
<td>01-2119457610-43-XXXXX</td>
</tr>
<tr>
<td>methanol</td>
<td>2.5 - &lt;5%</td>
<td>200-659-6</td>
<td>01-2119433307-44-XXXXX</td>
</tr>
</tbody>
</table>

Classification

ethanol
Flam. Liq. 2 - H225
Eye Irrit. 2 - H319

methanol
Flam. Liq. 2 - H225
Acute Tox. 3 - H301
Acute Tox. 3 - H311
Acute Tox. 3 - H331
STOT SE 1 - H370
Leishmans Stain

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

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

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

Notes for the doctor

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Flammable liquid and vapour. Vapours may be ignited by a spark, a hot surface or an ember.

5.3. Advice for firefighters

Protective actions during firefighting

Fight fire from safe distance or protected location. Use water spray to reduce vapours. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak.

Special protective equipment for firefighters

Use air-supplied respirator, gloves and protective goggles. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Leishmans Stain

Personal precautions
Follow precautions for safe handling described in this safety data sheet. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation.

6.2. Environmental precautions
Environmental precautions
Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up
Take care as floors and other surfaces may become slippery. Contain spillage with sand, earth or other suitable non-combustible material. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

6.4. Reference to other sections
Reference to other sections
For personal protection, see Section 8. For waste disposal, see Section 13. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Usage precautions
Avoid breathing vapours. Avoid contact with eyes and prolonged skin contact. Avoid the formation of mists. Ground/bond container and receiving equipment.

Advice on general occupational hygiene
Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented. Take off contaminated clothing and wash it before reuse. Wash promptly with soap and water if skin becomes contaminated.

7.2. Conditions for safe storage, including any incompatibilities
Storage precautions
Keep at temperature not exceeding 25°C.

Storage class
Flammable liquid storage.

7.3. Specific end use(s)
Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters
Occupational exposure limits
ethanol
Long-term exposure limit (8-hour TWA): WEL 1000 ppm  1920 mg/m³

methanol
Long-term exposure limit (8-hour TWA): WEL 200 ppm  266 mg/m³
Short-term exposure limit (15-minute): WEL 250 ppm  333 mg/m³
Sk
WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

methanol (CAS: 67-56-1)
Leishmans Stain

DNEL

Workers - Inhalation; Long term systemic effects: 260 mg/m³
Workers - Inhalation; Short term systemic effects: 260 mg/m³
Workers - Inhalation; Long term local effects: 260 mg/m³
Workers - Inhalation; Short term local effects: 260 mg/m³
Workers - Dermal; Long term systemic effects: 40 mg/kg/day
Workers - Dermal; Short term systemic effects: 40 mg/kg/day
General population - Inhalation; Long term systemic effects: 50 mg/m³
General population - Inhalation; Short term systemic effects: 50 mg/m³
General population - Inhalation; Long term local effects: 50 mg/m³
General population - Inhalation; Short term local effects: 50 mg/m³
General population - Dermal; Long term systemic effects: 8 mg/kg/day
General population - Dermal; Short term systemic effects: 8 mg/kg/day
General population - Oral; Long term systemic effects: 8 mg/kg/day
General population - Oral; Short term systemic effects: 8 mg/kg/day

PNEC

- Fresh water; 20.8 mg/l
- Fresh water, Intermittent release; 1540 mg/l
- Marine water; 2.08 mg/l
- STP; 100 mg/l
- Sediment (Freshwater); 77 mg/kg
- Sediment (Marine water); 7.7 mg/kg
- Soil; 100 mg/kg

8.2. Exposure controls

Appropriate engineering controls

Avoid inhalation of vapours and spray/mists. Good general ventilation should be adequate to control worker exposure to airborne contaminants. In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Frequent changes are recommended. The breakthrough time for any glove material may be different for different glove manufacturers.

Other skin and body protection

Wear anti-static protective clothing if there is a risk of ignition from static electricity.

Hygiene measures

Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Seek advice from supervisor on the company’s respiratory protection standards. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Liquid.

Colour

Colourless.

Odour

Alcoholic.

pH

Not relevant.
Leishmans Stain

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>~ 78°C @ 1013 hPa</td>
</tr>
<tr>
<td>Flash point</td>
<td>~ 13°C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>~ 3.4</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Lower flammable/explosive limit: 3.3 % Upper flammable/explosive limit: 19 %</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>~ 58.1 hPa @ 2°C</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Relative density</td>
<td>~ 0.789 @ 20°C</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Soluble in water.</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not considered to be explosive.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Does not meet the criteria for classification as oxidising.</td>
</tr>
</tbody>
</table>

9.2. Other information

Other information: None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity: No test data specifically related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stability: Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions


10.4. Conditions to avoid

Conditions to avoid: Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials


10.6. Hazardous decomposition products

Hazardous decomposition products: Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO2), Carbon monoxide (CO), Nitrous gases (NOx), Hydrocarbons. Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. information on toxicological effects
Leishmans Stain

Acute toxicity - oral
Notes (oral LD₅₀)
Based on available data the classification criteria are not met.
ATE oral (mg/kg) 6,006.13

Acute toxicity - dermal
Notes (dermal LD₅₀)
Based on available data the classification criteria are not met.
ATE dermal (mg/kg) 6,006.13

Acute toxicity - inhalation
Notes (inhalation LC₅₀)
Acute Tox. 4 - H332 Harmful if inhaled.
ATE inhalation (gases ppm) 14,014.29
ATE inhalation (vapours mg/l) 60.06

Skin corrosion/irritation
Animal data
Based on available data the classification criteria are not met.

Serious eye damage/irritation
Serious eye damage/irritation
Causes eye irritation.

Respiratory sensitisation
Respiratory sensitisation
Based on available data the classification criteria are not met.

Skin sensitisation
Skin sensitisation
Based on available data the classification criteria are not met.

Germ cell mutagenicity
Genotoxicity - in vitro
Based on available data the classification criteria are not met.

Carcinogenicity
Carcinogenicity
Based on available data the classification criteria are not met.

Reproductive toxicity
Reproductive toxicity - fertility
Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure
STOT - single exposure STOT SE 2 - H371

Specific target organ toxicity - repeated exposure
STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard
Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

Inhalation
May be harmful if inhaled. Symptoms following overexposure may include the following: Pain or irritation. Irritation of nose, throat and airway. Coughing. Wheezing/breathing difficulties.

Ingestion
May cause discomfort if swallowed.

Skin contact
No specific symptoms known. Prolonged and frequent contact may cause redness and irritation.

Eye contact
Irritating to eyes.

Acute and chronic health hazards
Causes damage to organs.

Toxicological information on ingredients.
# Leishmans Stain

**ethanol**

## Acute toxicity - oral

<table>
<thead>
<tr>
<th>Acute toxicity oral (LD&lt;sub&gt;50&lt;/sub&gt; mg/kg)</th>
<th>10,470.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Species</td>
<td>Rat</td>
</tr>
<tr>
<td>Notes (oral LD&lt;sub&gt;50&lt;/sub&gt;)</td>
<td>REACH dossier information. Based on available data the classification criteria are not met.</td>
</tr>
<tr>
<td>ATE oral (mg/kg)</td>
<td>10,470.0</td>
</tr>
</tbody>
</table>

## Acute toxicity - inhalation

<table>
<thead>
<tr>
<th>Acute toxicity inhalation (LC&lt;sub&gt;50&lt;/sub&gt; vapours mg/l)</th>
<th>124.7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Species</td>
<td>Rat</td>
</tr>
<tr>
<td>Notes (inhalation LC&lt;sub&gt;50&lt;/sub&gt;)</td>
<td>REACH dossier information. Based on available data the classification criteria are not met.</td>
</tr>
<tr>
<td>ATE inhalation (vapours mg/l)</td>
<td>124.7</td>
</tr>
</tbody>
</table>

## Skin corrosion/irritation

**Animal data**

Dose: 0.2 ml, 24 hours, Rabbit Primary dermal irritation index: 0 / 8 REACH dossier information. Not irritating.

## Serious eye damage/irritation

**Serious eye damage/irritation**

Dose: 0.1 mL, 21 days, Rabbit Causes eye irritation. REACH dossier information.

## Respiratory sensitisation

**Respiratory sensitisation**

Rat: Not sensitising. REACH dossier information. Based on available data the classification criteria are not met.

## Skin sensitisation

**Skin sensitisation**

Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information. Read across data. Based on available data the classification criteria are not met.

## Germ cell mutagenicity

**Genotoxicity - in vitro**

Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.

**Genotoxicity - in vivo**

Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

## Carcinogenicity

**IARC carcinogenicity**

IARC Group 1 Carcinogenic to humans.

## Reproductive toxicity

**Reproductive toxicity - fertility**

Two-generation study - NOAEL 15 %, Oral, Mouse P REACH dossier information.

**Reproductive toxicity - development**

Maternal toxicity: - NOAEL: 16000 ppm, Inhalation, Rat REACH dossier information.
Leishmans Stain

**Specific target organ toxicity - repeated exposure**

STOT - repeated exposure  LOAEL 4 mL/Kg, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

methanol

**Acute toxicity - oral**


ATE oral (mg/kg)  100.0

**Acute toxicity - dermal**

Notes (dermal LD₅₀)  Converted acute toxicity point estimate (cATpE) Toxic in contact with skin.

**Acute toxicity - inhalation**

Notes (inhalation LC₅₀)  Converted acute toxicity point estimate (cATpE) Toxic if inhaled.

ATE inhalation (gases ppm)  700.0

ATE inhalation (vapours mg/l)  3.0

**Skin corrosion/irritation**

Animal data  Dose: 2.5cm x 2.5cm, 20 hours, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). REACH dossier information. Based on available data the classification criteria are not met.

**Serious eye damage/irritation**

Serious eye damage/irritation  Dose: 0.05 ml, 24 hours, Rabbit REACH dossier information. Based on available data the classification criteria are not met.

**Skin sensitisation**

Skin sensitisation  Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information. Based on available data the classification criteria are not met.

**Germ cell mutagenicity**

Genotoxicity - in vitro  Bacterial reverse mutation test: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vivo  Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

**Specific target organ toxicity - single exposure**

STOT - single exposure  STOT SE 1 - H370

**Target organs**  Eyes Central nervous system

**Specific target organ toxicity - repeated exposure**

STOT - repeated exposure  LOAEL 2340 mg/kg/day, Oral, Monkey REACH dossier information. Based on available data the classification criteria are not met.

---

**SECTION 12: Ecological Information**

12.1. Toxicity
Leishmans Stain

Toxicity
Based on available data the classification criteria are not met. However, large or frequent spills may have hazardous effects on the environment.

Ecological information on ingredients.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Acute aquatic toxicity</th>
<th>Chronic aquatic toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ethanol</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute toxicity - fish</td>
<td>LC₅₀, 96 hours: 14200 mg/l, Pimephales promelas (Fat-head Minnow)</td>
<td>NOEC, 120 hours: 250 mg/l, Brachydanio rerio (Zebra Fish)</td>
</tr>
<tr>
<td>Acute toxicity - aquatic invertebrates</td>
<td>LC₅₀, 48 hours: 5012 mg/l, Ceriodaphnia dubia</td>
<td>NOEC, 9 days: 9.6 mg/l, Daphnia magna</td>
</tr>
<tr>
<td>Acute toxicity - aquatic plants</td>
<td>EC₅₀, 72 hours: 275 mg/l, Chlorella vulgaris</td>
<td>REACH dossier information.</td>
</tr>
<tr>
<td>Chronic toxicity - fish early life stage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chronic toxicity - aquatic invertebrates</td>
<td>NOEC</td>
<td>REACH dossier information.</td>
</tr>
<tr>
<td>Chronic toxicity - aquatic plants</td>
<td>NOEC, 9 days: 9.6 mg/l, Daphnia magna</td>
<td>REACH dossier information.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Acute aquatic toxicity</th>
<th>Chronic aquatic toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>methanol</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute toxicity - fish</td>
<td>LC₅₀, 96 hours: 15400 mg/l, Lepomis macrochirus (Bluegill)</td>
<td>NOEC, 9 days: 9.6 mg/l, Daphnia magna</td>
</tr>
<tr>
<td>Acute toxicity - aquatic invertebrates</td>
<td>EC₅₀, 96 hours: 18260 mg/l, Daphnia magna</td>
<td>REACH dossier information.</td>
</tr>
<tr>
<td>Acute toxicity - aquatic plants</td>
<td>EC₅₀, 96 hours: ~ 22000 mg/l, Pseudokirchneriella subcapitata</td>
<td>REACH dossier information.</td>
</tr>
<tr>
<td>Acute toxicity - microorganisms</td>
<td>IC₅₀, 3 hours: &gt;1000 mg/l, Activated sludge</td>
<td>REACH dossier information.</td>
</tr>
</tbody>
</table>

### 12.2. Persistence and degradability

**Persistence and degradability**
There are no data on the degradability of this product. Volatile substances are degraded in the atmosphere within a few days.

**Ecological information on ingredients.**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ethanol</strong></td>
<td></td>
</tr>
<tr>
<td>Biodegradation</td>
<td>Water - Degradation (74%): 10 days</td>
</tr>
<tr>
<td>Chemical oxygen demand</td>
<td>1.99 g O₂/g substance</td>
</tr>
<tr>
<td><strong>methanol</strong></td>
<td></td>
</tr>
<tr>
<td>Phototransformation</td>
<td>Water - DT₅₀: 17.2 days</td>
</tr>
</tbody>
</table>
Leishmans Stain

Biodegradation
Water - Degradation (95%): 20 days
Water - Degradation (91%): 15 days
Water - Degradation (88%): 10 days
Water - Degradation (76%): 5 days

REACH dossier information.

The substance is readily biodegradable.

12.3. Bioaccumulative potential
Bioaccumulative potential Not determined.
Partition coefficient Not determined.

Ecological information on ingredients.

**ethanol**
Partition coefficient log Pow: -0.35 REACH dossier information.

**methanol**
Partition coefficient log Pow: -0.77 REACH dossier information.

12.4. Mobility in soil
Mobility The product contains organic solvents which will evaporate easily from all surfaces. The product contains substances which are water-soluble and may spread in water systems.

Ecological information on ingredients.

**ethanol**
Surface tension 24.5 mN/m @ 20°C/68°F REACH dossier information.

**methanol**
Mobility Mobile.

12.5. Results of PBT and vPvB assessment
Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

**ethanol**
Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

**methanol**
Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects
Other adverse effects Not relevant.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Leishmans Stain

General information
Reuse or recycle products wherever possible. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

Disposal methods
Absorb in vermiculite, dry sand or earth and place into containers. Place waste in labelled, sealed containers. Dispose of contents/container in accordance with national regulations.

SECTION 14: Transport information

14.1. UN number
UN No. (ADR/RID) 1987
UN No. (IMDG) 1987
UN No. (ICAO) 1987
UN No. (ADN) 1987

14.2. UN proper shipping name
Proper shipping name (ADR/RID) ALCOHOLS, N.O.S. (ethanol, methanol)
Proper shipping name (IMDG) ALCOHOLS, N.O.S. (ethanol, methanol)
Proper shipping name (ICAO) ALCOHOLS, N.O.S. (ethanol, methanol)
Proper shipping name (ADN) ALCOHOLS, N.O.S. (ethanol, methanol)

14.3. Transport hazard class(es)
ADR/RID class 3
ADR/RID classification code F1
ADR/RID label 3
IMDG class 3
ICAO class/division 3
ADN class 3

Transport labels

14.4. Packing group
ADR/RID packing group II
IMDG packing group II
ADN packing group II
ICAO packing group II

14.5. Environmental hazards
Environmentally hazardous substancemarine pollutant
No.

14.6. Special precautions for user
EmS F-E, S-D
Leishmans Stain

ADR transport category  2
Emergency Action Code  •3YE
Hazard Identification Number (ADR/RID)  33
Tunnel restriction code  (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  Not relevant.

SECTION 15: Regulatory information

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

National regulations  EH40/2005 Workplace exposure limits.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet
ATE:  Acute Toxicity Estimate.
cATpE:  Converted Acute Toxicity Point Estimate.
ADR:  European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN:  European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
IATA:  International Air Transport Association.
IMDG:  International Maritime Dangerous Goods.
LC₅₀:  Lethal Concentration to 50 % of a test population.
LD₅₀:  Lethal Dose to 50% of a test population (Median Lethal Dose).
RID:  European Agreement concerning the International Carriage of Dangerous Goods by Rail.
EC₅₀:  50% of maximal Effective Concentration.
LOAEL:  Lowest Observed Adverse Effect Level.
NOAEL:  No Observed Adverse Effect Level.

Classification abbreviations and acronyms
Acute Tox. = Acute toxicity
Eye Dam. = Serious eye damage
Eye Irrit. = Eye irritation
Flam. Liq. = Flammable liquid
Skin Corr. = Skin corrosion
STOT SE = Specific target organ toxicity-single exposure
Leishmans Stain

Classification procedures according to Regulation (EC) 1272/2008


Revision date: 01/10/2017
Revision: 7
Supersedes date: 27/09/2016
SDS number: 805

Hazard statements in full

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H370 Causes damage to organs .
H371 May cause damage to organs .

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