

Safety data sheet according to ISO 11014-1

SDS No. 010 b/ GB

**LUBRICANT PENETRANT (Aerosol)**Revision date: 27/04/2004  
Date written: 03/11/2004**1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY****Product identification** : LUBRICANT PENETRANT (Aerosol)**Virax code no.** : 262640**Identification of manufacturer / distributor****Virax SA**  
39 quai de la Marne  
BP 197  
51206 Epervain cedex  
France  
Tel : + 33 (0)3 26 59 56 56  
Fax : + 33 (0)3 26 59 56 60**Department to be contacted** : General Services  
Tel : 03.26.59.56.58**Emergency telephone no.** : INRS  
Tel : 01 45 42 59 59**2. COMPOSITION/INFORMATION ON INGREDIENTS**

This product is considered hazardous and contains hazardous components.

Name of substance	Value(s)	CAS No./EINECS No./EC index	Symbol(s)	R phrase(s)
Butanone	< 15 %	000078-93-3 / 201-159 -0 / 606-002-00-3	F Xi	11-36-66-67
Zinc dinonylnaphthalene sulphonate in solution in oil	< 10 %	---/---/---	Xi	36-38
Heavy Aromatic Solvent Naphtha	< 15 %	064742-94-5 / 265-198-5 / 649-424-00-3	Xn	51/53-65-66
Heavy Naphtha (hydro-refined low boiling point)	40 à 80 %	064742-48-9 / 265-150-3 / 649-327-00-6	Xn	10-65-66

**3. HAZARDS IDENTIFICATION****Phrases relatives aux dangers** : Highly flammable. Possible formation of explosive/flammable air-vapour mixture when used.**Dominant exposure mode** : Inhalation.**Symptoms associated with use:**

- Inhalation : Breathlessness. Sleepiness. Headaches.
- Skin contact : Repeated or prolonged exposure may cause irritation. May cause dryness or cracking of the skin.
- Eye contact : Direct contact with the eyes will probably cause irritation. Redness. Pain
- Ingestion : Ingestion of this product may present a health hazard.

**4. FIRST AID MEASURES**

First aid.

## Safety data sheet according to ISO 11014-1

SDS No. 010 b/ GB

## LUBRICANT PENETRANT (Aerosol)

Revision date: 27/04/2004  
Date written: 03/11/2004

- 
- |                |  |
|----------------|--|
| - Inhalation   | : If feeling unwell following exposure, immediately move the victim to fresh air. Place the victim at rest. Call a doctor. |
| - Skin contact | : Remove contaminated clothes and shoes. Wash the skin thoroughly with soapy water.  |
| - Eye contact  | : Flush immediately with large amounts of water. Seek medical advice if discomfort or irritation worsens.                  |
| - Ingestion    | : Ingestion unlikely. Rinse mouth. Seek immediate medical advice.  |

**5. FIRE-FIGHTING MEASURES**

---

Extinguishing media.

- |              |   |
|--------------|---|
| - Suitable   | : Powder. Carbon dioxide. Foam. Water mist. |
| - Unsuitable | : Do not use a strong water jet.            |

Particular hazards

- |   |
|---|
| : The vapours mix easily with air, forming explosive mixtures. Exposure to heat or contamination by certain impurities may cause decomposition leading to the production of very volatile gasses and thus a risk of excessive pressure and bursting of closed containers. |
|---|

Fire protection

- |  |
|--|
| : Do not enter the fire zone without protective equipment, including respiratory protection. |
|--|

Special procedures

- |   |
|---|
| : Cool exposed containers by water spray or mist. |
|---|

**6. ACCIDENTAL RELEASE MEASURES**

---

Personal precautions

- |                                       |
|---------------------------------------|
| : Wear suitable protective equipment. |
|---------------------------------------|

Environmental precautions

- |   |
|---|
| : Warn the authorities if the product enters into the sewers or public domain waters. |
|---|

Measures after leaks / spills

- |  |
|--|
| : Keep away from all sources of ignition. Clean up any spills as soon as possible using an absorbent product. Dilute and rinse residues. Sweep or shovel into suitable waste containers. |
|--|

**7. HANDLING AND STORAGE**

---

Precautions during handling and storing

- |   |
|---|
| : Keep away from all sources of ignition. Do not smoke. |
|---|

Storage:

- |   |
|---|
| : Protect against frost. Keep at a temperature not exceeding 50° C. Keep in a dry, cool, ventilated place. Take special precautions to avoid static electrical charges. Do not smoke. |
|---|

Storage – away from Handling

- |  |
|--|
| : Direct sunlight. Sources of heat. Sparks. Naked flames.  |
| : Product to be handled in accordance with good industrial hygiene and safety procedures. Store away from food and drink, including animal foodstuffs. |

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

Personal protection.

- Respiratory protection

- |  |
|--|
| : No respiratory protective equipment required under normal conditions of use with adequate ventilation. |
|--|

## Safety data sheet according to ISO 11014-1

SDS No. 010 b/ GB

## LUBRICANT PENETRANT (Aerosol)

Revision date: 27/04/2004  
Date written: 03/11/2004

---

- Hand protection	: In case of repeated or prolonged contact, gloves should be worn.
- Skin protection	: Wear appropriate protective clothing.
- Eye protection	: Eye protection is only required if there is a risk of splashing or spraying of liquid.
Industrial hygiene	: Provide sufficient ventilation to keep dust and/or vapour concentrations low. Do not eat, drink or smoke while using the product.
Exposure control	: VME (naphtha) = 15 ppm - 100 mg/m <sup>3</sup> : VME (butanone) = 200 ppm – 600 mg/m <sup>3</sup>

**9. PHYSICAL AND CHEMICAL PROPERTIES**

---

Appearance	: Liquid
Colour	: Brown
Odour	: Solvent
Initial boiling point (°C)	: 79°C
Density	: 0.80
Soluble in	: Solvent
Flash point (°C)	: - 9°C

**10. STABILITY AND REACTIVITY**

---

Hazardous decomposition products	: None under normal conditions of use. Thermal decomposition generates: Carbon dioxide. Carbon Monoxide. Toxic fumes.
Hazardous reactions	: May form explosive/flammable air-vapour mixtures when used.
Materials to be avoided	: Strong acids. Strong bases. Strong oxidants.
Conditions to be avoided	: Heat. Direct sunlight. Naked flames. Sparks.

**11. TOXICOLOGICAL INFORMATION**

---

Toxicological information	: No available data.
Acute toxicity	: No available data.
<i>Chronic toxicity</i>	
- Inhalation	: Inhalation of vapours may cause irritation of the respiratory tract. Inhalation of vapours may cause sleepiness and dizziness. Headaches. Vertigo.
- Cutaneous	: Repeated exposure may cause dryness or cracking of the skin.
- Ocular	: Direct contact with the eyes will probably cause irritation. Burning sensation.
- Ingestion	: Ingestion may cause nausea, vomiting and diarrhoea.

**12. ECOLOGICAL INFORMATION**

---

On the product	: No available data.
Information concerning ecological effects	: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

## Safety data sheet according to ISO 11014-1

SDS No. 010 b/ GB

## LUBRICANT PENETRANT (Aerosol)

Revision date: 27/04/2004  
Date written: 03/11/2004

---

**13. DISPOSAL CONSIDERATIONS**

---

Waste disposal : Pressurized container - Do not puncture or burn even after use. If it is not empty, dispose of the container at a hazardous or special waste collection point. Destroy in accordance with the applicable local/national safety regulations. Do not discard residues in the sewers.

---

**14. TRANSPORT INFORMATION**

---

Shipping name : 1950 AEROSOLS, 2, F, ADR  
- UN No. : 1950  
Land transport :  
- ADR/RID : Group F  
Class 2  
Sea transport :  
- IMO-IMDG : Class 2.1  
- Safety sheet No. : 2-13  
- IMDG-Marine pollution : No  
Air transport :  
- IATA : Class 2.1  
- IATA label : Flamm. Gas

---

**15. REGULATORY INFORMATION**

---

Symbol(s) : Highly flammable.  
R phrase(s) : **R11** – Highly flammable.  
**R52/53** – Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
S phrase(s) : **S02** – Keep out of the reach of children.  
**S16** – Keep away from all sources of ignition – Do not smoke.  
**S23** – Do not breathe aerosols.  
**S46** – If swallowed, seek medical advice immediately and show container or label  
**S51** – Use only in well-ventilated areas.  
Safety instructions : Pressurised container. Protect from direct sunlight and do not expose to temperatures above 50°C. Do not puncture or burn even after use. Do not spray in the direction of a flame or incandescent body.  
Use this aerosol only for its intended purpose.  
France : Tables of occupational illnesses provide for in article R, 461-3 of the labour code (*code du travail*).  
Table no. 84 – Affections caused by liquid organic solvents for professional use.

---

**16. OTHER INFORMATION**

---

Text of R phrases in paragraph 2 : **R10** – Flammable.  
**R66** – Repeated exposure may cause dryness or cracking of the skin.  
**R67** – Inhalation of vapours may cause sleepiness and dizziness.  
**R51/53** – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
**R65** – Harmful: may cause lung damage if swallowed.  
**R38** – Irritating to skin.  
**R36** – Irritating to eyes.

Safety data sheet according to ISO 11014-1

SDS No. 010 b/ GB

**LUBRICANT PENETRANT (Aerosol)**Revision date: 27/04/2004  
Date written: 03/11/2004Recommended uses and  
restrictions

- : **R11** – Highly flammable.
- : See technical data sheet for further information.

Revision date: 27/04/2004

The content and format of the safety data sheet are in accordance with Commission Directive 2001/58/EC.

DISCLAIMER. The information contained in this sheet comes from sources that we consider reliable. It is, however, provided without express or tacit guarantee as to its accuracy. The conditions and methods of handling, storage, use or disposal of the product are outside of our control and may fall outside our area of expertise. It is for these reasons, among others, that we accept no liability for any loss, damage or costs caused by or related in any way whatsoever to the handling, storage use or disposal of the product. This SDS has been prepared for this product only. If the product is used as a component of another product, the information contained may no longer apply.