Material Safety Data Sheet
Loris™ Nail Polish Swabs

Issue date Apr. 01 / 2014

1. Product and Company Identification

Product Name  Loris™ Nail Polish Swabs*
CAS #  Mixture
Product use  Nail Polish Remover.
Manufacturer  Lernapharm (Loris) Inc
             2323 Halpern, St-Laurent (Montreal)
             Québec, Canada H4S 1S3
             Telephone: 514-331-4634

2. Hazards Identification

Potential short term health effects
Routes of exposure  Eye, Skin contact, Inhalation, Ingestion.

Eyes  Ocular contact may cause irritation to the eyes.
Skin  Not a primary skin irritant after exposure of short duration. However,
      prolonged or repeated exposure may cause irritation, dryness, or flaking
      of skin. May cause inflammation. Not a skin sensitizer.
Inhalation  May cause irritation to mucous membranes. Elevated vapour
           concentrations may be irritating to eyes, nose, throat and lungs. High
           concentrations may cause nausea, headache, dizziness and
           incoordination. May cause weakness and unconsciousness.
Ingestion  Although ingestion is unlikely, liquid would irritate upper digestive tract if
           swallowed. Ingestion may cause headache, diarrhea and vomiting.

Target organs
Skin  Eyes. Skin.

Chronic effects
Skin  Prolonged and repeated contact with skin can cause defatting and drying
      of the skin resulting in skin irritation and dermatitis.
Inhalation  Exposure of high vapour concentrations may cause eye and respiratory
            tract irritation, headache, nausea, incoordination, drowsiness and loss of
            consciousness.

MEDICAL CONDITIONS AGGRAVATED: Preexisting eye, skin and respiratory disorders may be aggravated by
exposure.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Con.</th>
<th>LC/50</th>
<th>LD/50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Acetate</td>
<td>141-78-6</td>
<td>60 – 100%</td>
<td>&gt;1600 ppm</td>
<td>&gt;5620 mg/kg</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>7 – 13</td>
<td>12000 ppm</td>
<td>&gt;4720 mg/kg</td>
</tr>
</tbody>
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4. First Aid Measures

**First aid procedures**

- **Eye contact**: Flush eyes with large amounts of water for at least 15 minutes, holding eyelids apart to ensure a thorough washing of entire eye. **Get immediate medical attention.**
- **Skin contact**: Flush skin with large amounts of water while removing contaminated clothing. Wash skin with soap and water. Wash clothes prior to reuse. If irritation persists, **get medical attention.**
- **Inhalation**: Remove person to fresh air. Oxygen may be administered by a qualified person if breathing is difficult. **Seek medical attention.**
- **Ingestion**: Get immediate medical attention. Never give anything by mouth to an unconscious or convulsive person. Provoke vomiting by giving Ipecac syrup or by placing two fingers at the back of the throat. Guard against aspiration into lungs. Have individual turn onto their left side. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.

5. Fire Fighting Measures

- **Flammable properties**: Flammable.
- **If yes, under which conditions**: Vapours and liquid are flammable.
- **Extinguishing media**: Carbon dioxide, foam, dry chemical for small fires. Water fog will reduce intensity of flames. For fires with strong intensity, use alcohol type foam. Do not enter confined fire space without adequate protective clothing and approved positive pressure self-contained breathing apparatus. Use water spray to cool fire-exposed containers and structures and to disperse vapors.

- **Flash point**: N/D
- **Auto-ignition temperature**: N/AV
- **Upper flammable limit (% vol)**: N/AV
- **Lower flammable limit (% vol)**: N/AV
- **Sensitivity to static discharge**: yes
- **Unusual fire and explosion hazard**: May cause a flammable mix with air. Vapours may settle in low or confined areas, or travel long distance to an ignition source and flash back.
- **Hazardous combustion products**: Combustion will produce usual decomposition products, including carbon oxides.

6. Accidental Release Measures

**In case of leak or spill**: See Sect. 3 & 8 for precautions. Flammable. Eliminate all ignition sources. Isolate hazard area and restrict access. Handling equipment must be grounded. Try to work upwind from spill. Wear appropriate breathing apparatus (if applicable). Stop leak, only if it is safe to do so. Dike and contain land spills. Contain water spills by booming. Use water fog to knock down vapours. Contain run-off and prevent from entering into waterways. For large spills remove by mechanical means and place in suitable container. For small spills, or to absorb residue, use an inert absorbent material (clay, sand) and remove to non-leaking suitable containers. Flush area with water to remove trace residue. For minute spills, allow to evaporate. Notify fire and environmental authorities for large spills.
7. Handling and Storage

Handling procedures and equipment: Flammable. See Sect. 3, 5 & 8 for hazards and precautions. Maintain good personal hygiene. Do not cut, drill, grind or weld on or near this container. Vapours may accumulate in low or confined areas and travel to ignition sources and flashback. Use adequate ventilation. Empty product containers may contain residue and label warnings must be adhered to even when container is empty. Fixed equipment as well as transfer containers and equipment must be grounded to prevent static buildup. Hot surfaces may be sufficient to ignite liquid even in absence of spark or flame source. Extinguish pilot lights, cigarettes and turn off other ignition sources prior to use, and up until all vapours have dissipated. Decrease pressure in drum by easing drum cap. Never use pressure to empty drums. Air-dry contaminated clothing in a well-ventilated area before laundering.

Storage requirements: Flammable. Store in a cool, dry, well-ventilated area away from all ignition sources and incompatible materials. Avoid damage to containers. Keep container closed when not in use. Aluminum containers are not recommended for storage. By preference, store separately or outside.

8. Exposure Controls / Personal Protection

Personal protective equipment

Hand protection Wear impervious gloves. Rubber or neoprene.

Eye / face protection Chemical safety goggles. It is common procedure to not wear contact lenses when handling chemicals.

Protective clothing Wear impervious protective clothing. Wear rubber apron and safety boots.

Respiratory protection: If exposure exceeds occupational exposure limits, wear and NIOSH approved respirator. Use either an atmosphere-supplying respirator to an air-purifying respirator for organic vapours. Proper equipment for high concentrations includes an atmosphere supplied, positive pressure demand, self-contained or airline breathing apparatus.

Engineering controls General ventilation is highly recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof. Concentrations in air should be maintained low if unprotected personnel are involved. Local ventilation is also recommended where mechanical ventilation is ineffective in controlling airborne concentrations. Make-up air should always be supplied to balance air exhausted (either generally or locally).

Other Eye bath and potable water source for washing.

9. Physical & Chemical Properties

Physical state Liquid
Odor and appearance colorless or pink / characteristic odor with bubble gum fragrance
Vapor pressure N/A
Vapor density (air =1) > air
Evaporation rate > water

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Boiling point                N/D
Freezing point              < -50°C
pH                          6-7
Specific gravity (water=1)  0.89
Solubility in water        complete
Coefficient of water/oil dist  N/AV

10. Chemical Stability & Reactivity Information

Chemical stability            stable
Incompatible materials        Strong hydrocarbons, concentrated alkalies and concentrated mineral acids.
Reactivity conditions         Flames, sparks, ignitions sources, excessive heat.
Hazardous decomposition products Carbon oxides.
Hazardous polymerization      Will not occur.

11. Toxicological Information

LD50 of product (species and route) Not available
LC50 of product (species and route) Not available
Carcinogenicity              None known
Mutagenicity                None known
Reproductive effects        None known
Teratogenicity              Not known
Sensitization capability of material None known
Synergistic materials       None known

12. Ecological Information

N/AV. Rapid volatilization.

13. Disposal Considerations

Disposal instructions        Always dispose of according to federal, provincial, and municipal regulations in effect.
Recycle containers to reduce pollution. Waste management priorities (depending on volumes and concentration of waste are:
  1) Recycle (reprocess)
  2) Energy recovery (cement kilns, thermal power generation)
  3) Incineration
  4) Disposal at a licensed waste disposable facility with approval of environmental authority. Do not attempt to combust waste on site.

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14. Transport Information

According to Transport of Dangerous Goods Regulations, this product when packaged in less than 1 litre is considered Limited Quantity and non-dangerous for transport.
For packaging above 1 Litre, product is regulated for transport:
Flammable liquids N.O.S. (Ethyl acetate, isopropyl alcohol)
UN Number: 1993
Class: 3
Packing Group: II

15. Regulatory Information

WHMIS Classification: Class B-2, D-2B

16. Other Information

Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Recommended use

For external use only.