Safety data sheet
Primasol* NF 110kg PE-Drum, removable head

1. Substance/preparation and company identification

**Company**
BASF Canada
100 Milverton Drive, 5th Floor
Mississauga, ON L5R 4H1

**24 Hour Emergency Response Information**
CANUTEC (reverse charges): (613) 996-6666
BASF HOTLINE (800) 454-COPE (2673)

Chemical family: alkyl phosphate, ammonium salt, in water

2. Hazardous ingredients

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/W)</th>
<th>Hazardous ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td>4971-47-5</td>
<td>30.0 - 60.0 %</td>
<td>ammonium bis(2-ethyl hexyl)phosphate</td>
</tr>
</tbody>
</table>

3. Hazard identification

**Emergency overview**
IRRITANT. Irritating to eyes.
Avoid contact with the skin, eyes and clothing.
Wear NIOSH-certified chemical goggles.
Wear full face shield if splashing hazard exists.

**Potential health effects**

**Acute toxicity:**
Virtually nontoxic after a single skin contact.

**Irritation:**
Irritating to eyes. Not irritating to the skin.

**Sensitization:**
Skin sensitizing effects were not observed in animal studies.

4. First-aid measures

**General advice:**
Remove contaminated clothing.

**If inhaled:**
Keep patient calm, remove to fresh air, seek medical attention. Assist in breathing if necessary.

**If on skin:**
Wash thoroughly with soap and water.

**If swallowed:**
Rinse mouth immediately and then drink plenty of water, seek medical attention.
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Revision date: 2006/01/24
Version: 1.0

Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-fighting measures

Flash point: > 100 °C (DIN 51758)
Autoignition: 380 °C (DIN 51794)

Suitable extinguishing media:
water spray, dry extinguishing media, foam

Hazards during fire-fighting:
harmful vapours
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Further information:
Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions:
Use personal protective clothing.

Environmental precautions:
Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Cleanup:
Spills should be contained, solidified, and placed in suitable containers for disposal.
For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations.
For large amounts: Pump off product.

Further information:
High risk of slipping due to leakage/spillage of product.

7. Handling and storage

Handling
General advice:
No special measures necessary provided product is used correctly.

Protection against fire and explosion:
No special precautions necessary.

Storage
General advice:
Keep container tightly closed and in a cool place.

**Temperature tolerance**
- Protect from temperatures above: 40 °C
- The packed product must be protected against exceeding the indicated temperature.

## 8. Exposure controls and personal protection

**Personal protective equipment**

**Respiratory protection:**
- Respiratory protection not required.

**Hand protection:**
- Chemical resistant protective gloves

**Eye protection:**
- Tightly fitting safety goggles (chemical goggles).

**General safety and hygiene measures:**
- Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Wash soiled clothing immediately.

## 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>ammonia-like</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available.</td>
</tr>
<tr>
<td>Colour</td>
<td>colourless</td>
</tr>
<tr>
<td>pH value</td>
<td>7 - 8</td>
</tr>
<tr>
<td>solidification temperature</td>
<td>-15 °C</td>
</tr>
<tr>
<td>Boiling point</td>
<td>approx. 100 °C</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>approx. 23 mbar</td>
</tr>
<tr>
<td>Density</td>
<td>1.02 g/cm³</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>15 g/l, soluble, cloudy</td>
</tr>
</tbody>
</table>

## 10. Stability and reactivity

**Hazardous reactions:**
- No hazardous reactions when stored and handled according to instructions.

**Decomposition products:**
- Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

## 11. Toxicological information

**Acute toxicity**
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Oral:
LD50/rat: 2,050 mg/kg

Dermal:
rat: > 4,000 mg/kg

Skin irritation:
rabbit: non-irritant (OECD Guideline 404)

Eye irritation:
rabbit: Risk of serious damage to eyes. (OECD Guideline 405)

Sensitization:
Buehler test/guinea pig: (OECD Guideline 406)
No sensitizing effect.

12. Ecological information

Environmental fate and transport

Biodegradation:
Test method: OECD 302B; ISO 9888; 88/302/EEC, part C
Method of analysis: COD reduction
Degree of elimination: > 70 %
Evaluation: Easily eliminated from water.

Chemical oxygen demand (COD):
995 mg/g

Biochemical oxygen demand (BOD):
Incubation period 5 d: 90 mg/g

Adsorbable organically-bound halogen (AOX):
This product contains no organically-bound halogen.

Environmental toxicity

Acute and prolonged toxicity to fish:
golden orfe/LC50 (96 h): 100 - 500 mg/l
golden orfe/LC0 (48 h): 147 mg/l

Toxicity to microorganisms:
DEV-L2: > 1,000 mg/l
Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Other ecotoxicological advice:
Do not release untreated into natural waters.
13. Disposal considerations

Waste disposal of substance:
Do not discharge into waterways or sewer systems without proper authorization.
Dispose of in accordance with local authority regulations.

Container disposal:
Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. Transport information

Land transport
TDG
Not classified as a dangerous good under transport regulations

Sea transport
IMDG
Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO
Not classified as a dangerous good under transport regulations

15. Regulatory information

Federal Regulations
Registration status:
DSL, CA released; restriction on quantity / not listed

WHMIS classification: D2B: Materials Causing Other Toxic Effects - Toxic material

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.
16. Other information

Local contact information
BASF Canada Product Safety
289-360-1300

Primasol is a registered trademark of BASF Canada or BASF AG

END OF DATA SHEET