SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the substance or mixture:
Product name : L5000b LITHOSTAR ULTRA DEVELOPER
MSDS Number : 000000007430

1.2 Use of the substance/mixture:
Use of the Substance/Preparation : Offset plate developer solution
Business group : GS

1.3 Company/undertaking identification
Agfa Corporation
611 River Drive
Center 3
Elmwood Park, NJ 07407
U.S.A.

Transport Emergency Call CHEMTREC : +1 800 4249300
Non-transportation
Health Emergency Phone : +1 303 6235716
International : +1 703 5273887
Agfa Information Phone : +1 201 4402500

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

| GHS (Globally Harmonized System of Classification and Labelling of Chemicals) |
|-----------------------------|-----------------|
| Hazard classes              | Carcinogenicity |
| Hazard categories           | Category 2      |
| Hazard statements           | H351            |
| Hazard classes              | Skin sensitizer|
| Hazard categories           | Category 1      |
| Hazard statements           | H317            |
| Hazard classes              | Germ cell mutagenicity |
| Hazard categories           | Category 2      |
| Hazard statements           | H341            |
| Hazard classes              | Serious eye irritation |
| Hazard categories           | Category 2      |
| Hazard statements           | H319            |

2.2 Label elements:
Hazardous components which must be listed on the label :
SAFETY DATA SHEET
L5000b LITHOSTAR ULTRA DEVELOPER

Version 1 Print Date 11-27-2013
Revision Date 09-26-2013

- CAS-No. : 123-31-9 Hydroquinone

Signal word : WARNING
Hazard statements:
- H351 Suspected of causing cancer.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H341 Suspected of causing genetic defects.

Precautionary statements:
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements:
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixture related information:
Aqueous offset plate developer solution, mainly consisting of:

3.2 Hazard ingredients:
The hazard and labelling information in this section is that of the individual ingredients. The corresponding information relative to this product as supplied is given in section 2.1.

Hazardous components
- Hydroquinone Concentration [%] : 1.0 - 5.0
  - CAS-No. : 123-31-9
  - Hazard classes: CarcinogenicityGerm cell mutagenicityAcute toxicity OralSerious eye damageSkin sensitizerAcute hazards to the aquatic
SAFETY DATA SHEET


L5000b LITHOSTAR ULTRA DEVELOPER

Version 1
Print Date 11-27-2013
Revision Date 09-26-2013

Environment, Germ cell mutagenicity, Acute toxicity Oral, Serious eye damage, Skin sensitizer, Acute hazards to the aquatic environment

Hazard categories
Category 2, Category 2, Category 4, Category 1, Category 1, Category 1

Hazard statements
H351, H341, H302, H318, H317, H400

1-Phenyl-4-methyl-3-pyrazolidone
Concentration [%]: 0.1 - 0.5
CAS-No.: 2654-57-1
Hazard classes
Acute toxicity Oral, Skin sensitizer, Chronic hazards to the aquatic environment

Hazard categories
Category 4, Category 1, Category 2
Hazard statements
H302, H317, H411

Components with a community workplace exposure limit
- Hydroquinone
- Potassium aluminum sulphate

3.3 Remark:
Full text of each relevant H-phrase is listed in section 16.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:
Eye contact: Immediately flush eye(s) with plenty of water. Consult an oculist if necessary.

Skin contact: Wash off with soap and water.
Ingestion: Rinse mouth with plenty of water. Consult a physician if necessary. Do not induce vomiting.

Inhalation: Take person to fresh air. If necessary, seek medical advice.

4.2 Most important symptoms and effects:
Symptoms: Sensitizing.

4.3 Indication of immediate medical attention and special treatment needed:
General advice: Call a physician immediately.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media
Suitable extinguishing media: Alcohol-resistant foam., Carbon dioxide (CO2), Dry extinguishing powder., Water.
Extinguishing media which:
Do not use a solid water stream as it may scatter and spread fire.
## SAFETY DATA SHEET


**L5000b LITHOSTAR ULTRA DEVELOPER**

Version 1  Print Date 11-27-2013  Revision Date 09-26-2013

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

- **Specific hazards during fire fighting:**
  - In case of fire, thermal decomposition with emission of hazardous fumes is possible (e.g. SO2).

- **Further information:**
  - Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

### 5.3 Advice for fire-fighters:

- **Special protective equipment for fire-fighters:**
  - Regular fire intervention clothes.

---

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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

- **Personal precautions:**
  - Cleanup personnel must use appropriate personal protective equipment.

- **Additional advice:**
  - Observe normal precautions when handling chemicals.

#### 6.2 Environmental precautions:

- **Environmental precautions:**
  - The product should not be allowed to enter drains, water courses or the soil.

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

- **Methods for cleaning up:**
  - Dike the spill if necessary. If spill occurs, apply a suitable absorbent material and collect into an impervious waste container. Collect the product in a plastic vessel. Carefully collect leftovers.

#### 6.4 Reference to other sections:

- For waste disposal see section 13.
- For personal protection see section 8.

---

### SECTION 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling:

- **Advice on safe handling:**
  - Prevent product from diffusing.

- **Hygiene measures:**
  - Observe normal precautions when handling chemicals. Keep away from foodstuffs, drinks and tobacco. Employees should wash their hands and face before eating, drinking, or using tobacco products.

- **Advice on protection against fire and explosion:**
  - Non-combustible (aqueous solution).
SAFETY DATA SHEET

L5000b LITHOSTAR ULTRA DEVELOPER

SUBID:000000007430

Version 1
Print Date 11-27-2013
Revision Date 09-26-2013

7.2 Conditions for safe storage:
Requirements for storage areas and containers: Keep container tightly closed. Keep in a dry place.
Further information on storage conditions: Keep container in a well-ventilated place.
Advice on common storage: Store away from strong acids and strong oxidizing agents (e.g. sodium hypochlorite).

7.3 Specific end use:
This substance is used only by trained professionals under restricted conditions.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

8.1.1 Components with occupational exposure limits rsp. biological occupational exposure limits requiring monitoring:

8.1.1.1 Occupational exposure limits:

Air limit values (US)

<table>
<thead>
<tr>
<th>Basis</th>
<th>Revision Date</th>
<th>Value</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>2008</td>
<td>1 mg/m³</td>
<td>TWA</td>
</tr>
<tr>
<td>OSHA Z1</td>
<td>06 1993</td>
<td>2 mg/m³</td>
<td>PEL</td>
</tr>
<tr>
<td>OSHA Z1A</td>
<td>1989</td>
<td>2 mg/m³</td>
<td>TWA</td>
</tr>
<tr>
<td>TN OEL</td>
<td>06 2008</td>
<td>2 mg/m³</td>
<td>TWA</td>
</tr>
</tbody>
</table>

Air limit values (CA)

<table>
<thead>
<tr>
<th>Basis</th>
<th>Revision Date</th>
<th>Value</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEL (QUE)</td>
<td>12 2008</td>
<td>2 mg/m³</td>
<td>TWA</td>
</tr>
<tr>
<td>CAD BC OEL</td>
<td>07 2007</td>
<td>1 mg/m³</td>
<td>TWA</td>
</tr>
<tr>
<td>CAD SK OEL</td>
<td>05 2009</td>
<td>2 mg/m³</td>
<td>8 HR ACL</td>
</tr>
<tr>
<td>CAD SK OEL</td>
<td>05 2009</td>
<td>4 mg/m³</td>
<td>15 MIN ACL</td>
</tr>
</tbody>
</table>

REG_NOAM 5/17 EN
SAFETY DATA SHEET

L5000b LITHOSTAR ULTRA DEVELOPER

Version 1
Print Date 11-27-2013
Revision Date 09-26-2013

Potassium aluminum sulphate
CAS-No.: 10043-67-1

<table>
<thead>
<tr>
<th>Basis</th>
<th>Revision Date</th>
<th>Value</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAD AB OEL</td>
<td>10 2003</td>
<td>2 mg/m3</td>
<td>TWA</td>
</tr>
<tr>
<td>OEL (QUE)</td>
<td>12 2008</td>
<td>2 mg/m3</td>
<td>TWA</td>
</tr>
<tr>
<td>CAD SK OEL</td>
<td>05 2009</td>
<td>10 mg/m3</td>
<td>8 HR ACL</td>
</tr>
<tr>
<td>CAD SK OEL</td>
<td>05 2009</td>
<td>20 mg/m3</td>
<td>15 MIN ACL</td>
</tr>
<tr>
<td>CAD BC</td>
<td>07 2007</td>
<td>1 mg/m3</td>
<td>TWA</td>
</tr>
<tr>
<td>OEL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAD MB OEL</td>
<td>03 2011</td>
<td>1 mg/m3</td>
<td>TWA</td>
</tr>
<tr>
<td>CAD SK OEL</td>
<td>05 2009</td>
<td>2 mg/m3</td>
<td>8 HR ACL</td>
</tr>
<tr>
<td>CAD SK OEL</td>
<td>05 2009</td>
<td>4 mg/m3</td>
<td>15 MIN ACL</td>
</tr>
</tbody>
</table>

Biological limit values (US)
We are not aware of any national exposure limit.

Biological limit values (CA)
We are not aware of any national exposure limit.

8.1.1.2 Additional exposure limits under the conditions of use:
No other exposure limits applicable.

8.2 Exposure controls:

Occupational exposure controls:
➤ Instruction measures to prevent exposure:
Employees should wash their hands and face before eating, drinking, or using tobacco products. Keep away from foodstuffs, drinks and tobacco.

➤ Technical measures to prevent exposure:
Ensure adequate ventilation.

➤ Personal measures to prevent exposure:
  Respiratory protection: Under normal conditions of use, respirator protection is not required.
  Hand protection: Use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact use gloves made of the materials: butyl rubber (thickness >= 0.36 mm, breakthrough time > 480 min), nitrile rubber (thickness >= 0.38 mm, breakthrough time > 480 min) or neoprene (thickness >= 0.65 mm, breakthrough time > 240 min). For intermittent splash protection corresponding gloves with
SAFETY DATA SHEET

L5000b LITHOSTAR ULTRA DEVELOPER

Version 1  Print Date 11-27-2013
Revision Date 09-26-2013

breakthrough times > 60 min can be used. Avoid gloves made of: natural latex.
Eye protection : Safety goggles. EN 166.
Body Protection : Safety clothes.
Personal protective equipment : Observe normal precautions when handling chemicals.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties:

9.1.1 Appearance:
State of matter : Liquid
Form : Liquid.
Color : Colourless.
Odor : Odourless.
Odor threshold : No data available

9.1.2 Important health, safety and environmental information:
pH (25 °C) : 12.7 Method: Literature.
Melting point/range : < 0 °C Method: Literature.
Boiling point/range : > 100 °C Method: Literature.
Flash point : Not applicable
Autoignition temperature : No data available
Vapour pressure (20 °C) : 23.00 hPa Method: Literature.
Relative vapour density : No data available
Relative density (20 °C) : 1.144 Method: Literature.
Density : No data available
Solubility/qualitative : Miscible with water at all ratios.
Water solubility : No data available
Partition coefficient (n-octanol/water) : No data available
Viscosity, dynamic : No data available
Viscosity, kinematic : No data available
Lower explosion limit : No data available
Upper explosion limit : No data available
Evaporation rate : No data available
Flammability (solid, gas) : Not flammable.

9.2 Other information:
VOC content : 29.7 g/l
VOC content excluding water
SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity:
Reactivity : Reactivity is not to be expected under normal conditions of temperature and pressure.

10.2 Chemical stability:
Stability : The product is stable under normal conditions of storage and use.

10.3 Possibility of hazardous reactions:
Hazardous reactions : no data available

10.4 Conditions to avoid:

10.5 Materials to avoid:
Materials to avoid : Store away from strong acids. Store away from oxidizing agents.

10.6 Hazardous decomposition products:
Hazardous decomposition products : Sulphur dioxide

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicity data specific for individual ingredients in their pure state:

Toxicokinetics, metabolism and distribution:

- Hydroquinone
Toxicokinetic studies with hydroquinone show that although it is readily absorbed from the gut of animals it has a low potential for bioaccumulation (< 2% distributed out of total administered dose). Extensive conjugation and rapid excretion, primarily via the urine, suggests that hydroquinone is effectively detoxified.
However, because hydroquinone is oxidized to p-benzoquinonone and/or p-benzoquinone, which are able to readily react with nucleophilic body components, it represents a potentially harmful toxicant. Indeed, hydroquinone and/or its metabolites covalently bind to cellular components in vitro.
It is, therefore, possible that although the bioaccumulation potential of hydroquinone is low critical body components may still be adversely affected.
SAFETY DATA SHEET

L5000b LITHOSTAR ULTRA DEVELOPER

Version 1
Print Date 11-27-2013
Revision Date 09-26-2013

- 1-Phenyl-4-methyl-3-pyrazolidone
  No data available

**Acute effects (toxicity tests):**

- **Acute Toxicity**
  - Hydroquinone

<table>
<thead>
<tr>
<th>Effect dose</th>
<th>Species</th>
<th>Value</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute oral toxicity</td>
<td>LD50</td>
<td>rat</td>
<td>320 mg/kg</td>
</tr>
<tr>
<td>Acute dermal toxicity</td>
<td>LD50</td>
<td>cat</td>
<td>5,970 mg/kg</td>
</tr>
<tr>
<td>Acute inhalation toxicity</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

  It was demonstrated that during intended and foreseen applications, no respirable aerosol is formed. Inhalation of airborne droplets may cause irritation of the respiratory tract.

- 1-Phenyl-4-methyl-3-pyrazolidone

<table>
<thead>
<tr>
<th>Effect dose</th>
<th>Species</th>
<th>Value</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute oral toxicity</td>
<td>LD50</td>
<td>rat</td>
<td>627 mg/kg</td>
</tr>
<tr>
<td>Acute dermal toxicity</td>
<td></td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td>Acute inhalation toxicity</td>
<td></td>
<td></td>
<td>No data available</td>
</tr>
</tbody>
</table>

- **Specific target organ toxicity (STOT):**
  - Hydroquinone

  Specific effects
  Affected organs
  Product dust may be irritating to eyes, skin and respiratory system.

- 1-Phenyl-4-methyl-3-pyrazolidone

  Specific effects
  Affected organs
  No data available

- **Irritant and corrosive effects:**

<table>
<thead>
<tr>
<th>Exposure time</th>
<th>Species</th>
<th>Evaluation</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary irritation to the skin</td>
<td>rabbit</td>
<td>No skin irritation</td>
<td>OECD Test Guideline 404</td>
</tr>
<tr>
<td>slight irritation</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Irritation to the respiratory tract:**
SAFETY DATA SHEET


L5000b LITHOSTAR ULTRA DEVELOPER

SUBID:000000007430

Version 1

Print Date 11-27-2013

Revision Date 09-26-2013

- Hydroquinone
  No data available
- 1-Phenyl-4-methyl-3-pyrazolidone
  No data available

➢ Sensitisation:
- Hydroquinone
  Species Evaluation Method
  May cause sensitisation by skin contact. Tested according to Annex V of Directive 67/548/EEC.

- 1-Phenyl-4-methyl-3-pyrazolidone
  Species Evaluation Method
  Causes sensitization on guinea-pigs.

➢ Aspiration hazard:
- Hydroquinone
  No data available
- 1-Phenyl-4-methyl-3-pyrazolidone
  No data available

Sub-acute, sub-chronic and chronic toxicity

➢ Repeated dose toxicity:
- Hydroquinone
  No data available
- 1-Phenyl-4-methyl-3-pyrazolidone
  No data available

➢ Specific target organ toxicity (STOT):
- Hydroquinone
  Skin contact can cause (damage skin and allergic reaction) eczema. Hydroquinione can affect the bone marrow and other blood-producing organs, resulting in reduction of red blood cells and blood dye concentrations. Discoloration of the skin may occur. There is evidence that hydroquinone is carcinogenic. May damage the genetic characteristics.
- 1-Phenyl-4-methyl-3-pyrazolidone
  No information available.

➢ CMR effects (carcinogenicy, mutagenicity and toxicity for reproduction):
- **Carcinogenicity**
  - Hydroquinone
    Formation of benign kidney tumors occurred only after nephropathy developed and only in one strain of male rat. Additional effects have been reported. Although an increase in leukemia was reported in the female F-344 rat, this result was not reproduced in a subsequent study. There was no evidence of cancer in male mice following chronic oral administration. Increases in primarily benign tumors were noted in female mice, although this finding was not reproduced in a subsequent study. No tumors were reported in mice following long-term dermal application.
    - 1-Phenyl-4-methyl-3-pyrazolidone
      No data available

- **Mutagenicity**
  - Hydroquinone
    Studies using the 'Ames' test were generally negative. There is some evidence for mutagenicity from studies in animals, in isolated cells taken from animals and plants, and in other microorganisms.
    - 1-Phenyl-4-methyl-3-pyrazolidone
      No data available

- **Genetic toxicity in vitro**
  - Hydroquinone

<table>
<thead>
<tr>
<th>Type</th>
<th>Test system</th>
<th>Concentration</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ames test</td>
<td>Escherichia coli WP2 uvr A; Salmonella typhimurium</td>
<td></td>
<td>negative</td>
</tr>
<tr>
<td></td>
<td>TA98, TA100, TA535, TA1537</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 1-Phenyl-4-methyl-3-pyrazolidone
  No data available

- **Genetic toxicity in vivo**
  - Hydroquinone
    No data available
    - 1-Phenyl-4-methyl-3-pyrazolidone
      No data available

- **Teratogenicity**
  - Hydroquinone
    Has not caused birth defects when administered orally at dose levels not causing systemic toxicity in the mother.
    - 1-Phenyl-4-methyl-3-pyrazolidone
      No data available
- **Toxicity to reproduction**
  
  - Hydroquinone
    Has not caused reproductive effects in male or female animals when administered orally at dose levels not causing systemic toxicity
  
  - 1-Phenyl-4-methyl-3-pyrazolidone
    No data available

  ➢ **Summarised evaluation of the CMR properties:**
    
    - Hydroquinone
      Carcinogenicity: Considered as a suspected human carcinogen according to the American Conference of Industrial Hygienists (ACGIH).
      Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
      Teratogenicity: Did not show teratogenic effects in animal experiments.
      Toxicity to reproduction: No toxicity to reproduction

  - 1-Phenyl-4-methyl-3-pyrazolidone
    Carcinogenicity: No data available
    Mutagenicity: No data available
    Teratogenicity: No data available
    Toxicity to reproduction: No data available

  **Experiences made in practice:**

  There is insufficient scientific evidence for classifying hydroquinone as a suspected carcino- or mutagenic substance in humans. Epidemiologic studies over a period of 48 years, wherein - during manufacturing and use of hydroquinone - more than 800 human individuals were daily exposed at significant airborne concentrations (greater than the occupational threshold of 2 mg/m³), demonstrated that such exposure is not associated with the induction of cancer in humans.

**SECTION 12. ECOLOGICAL INFORMATION**

**12.1 Ecotoxicity:**

<table>
<thead>
<tr>
<th>Effect to daphnia</th>
<th>EC50</th>
<th>Exposure time</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity to daphnia</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>&gt; 100 mg/l</td>
<td></td>
</tr>
</tbody>
</table>

Method: OECD Test Guideline 202

The acute aquatic toxicity has been determined according a GLP study of the Daphnia immobility test OECD 202 (Test code DAC 12 002) on the mixture as a whole. Based on available data, the classification criteria are not met.

**12.2 Persistence and degradability:**

Physico-chemical removability
SAFETY DATA SHEET

L5000b LITHOSTAR ULTRA DEVELOPER

Version 1  Print Date 11-27-2013
Revision Date 09-26-2013

• Hydroquinone
  The product can be eliminated from water by abiotic processes, e.g. adsorption on activated sludge.
  • 1-Phenyl-4-methyl-3-pyrazolidone

Chemical Oxygen Demand (COD)
• Hydroquinone

<table>
<thead>
<tr>
<th>Value</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 1,830 mg/l</td>
<td>Literature.</td>
</tr>
</tbody>
</table>

• 1-Phenyl-4-methyl-3-pyrazolidone
  No data available

Adsorbed organic bound halogens (AOX)
• Hydroquinone
  Product does not contain any organic halogens.
  • 1-Phenyl-4-methyl-3-pyrazolidone
    Product does not contain any organic halogens.

Biodegradation

<table>
<thead>
<tr>
<th>Value</th>
<th>Exposure time</th>
<th>Method</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OECD 301D</td>
<td>Assessment of biological degradability</td>
<td>Readily biodegradable.</td>
</tr>
</tbody>
</table>

Biochemical Oxygen Demand (BOD)
• Hydroquinone

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Incubation time</th>
<th>Value</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>&gt; 480 mg/l</td>
<td>Literature.</td>
</tr>
</tbody>
</table>

• 1-Phenyl-4-methyl-3-pyrazolidone
  No data available

12.3 Bioaccumulative potential:
Partition coefficient (n-octanol/water)
No data available

Bioconcentration factor (BCF)
• Hydroquinone

<table>
<thead>
<tr>
<th>Value</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
</table>

REG_NOAM 13/17 EN
Bioaccumulation is unlikely. Accumulation in aquatic organisms is unlikely. Accumulation in terrestrial organisms is unlikely.

**12.4 Mobility in soil:**

- Hydroquinone
  This product will show high soil mobility and will be degraded through photolysis and oxidation processes from the ambient atmosphere on the surface. Volatilization of hydroquinone from either moist or dry soil is not expected to occur to any significant extent.

- 1-Phenyl-4-methyl-3-pyrazolidone
  No data available.

**Henry’s constant**

- Hydroquinone

<table>
<thead>
<tr>
<th>Value</th>
<th>Temperature</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 0.000134 hPa</td>
<td>25 °C</td>
<td></td>
</tr>
</tbody>
</table>

**Transport between environmental compartments**

- Hydroquinone

<table>
<thead>
<tr>
<th>Type</th>
<th>Medium</th>
<th>Value</th>
<th>Method</th>
</tr>
</thead>
</table>
| Koc: 9           |        | Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination. Transport between environmental compartments can be expected.

- 1-Phenyl-4-methyl-3-pyrazolidone
  No data available

**12.5 Results of PBT and vPvB assessment:**

- Hydroquinone
  This product does not meet the criteria concerning PBT or vPvB substances as described in Annex XIII of the REACH regulation (1907/2006 EC)

- 1-Phenyl-4-methyl-3-pyrazolidone
  This product does not meet the criteria concerning PBT or vPvB substances as described in Annex XIII of the REACH regulation (1907/2006 EC)

**12.6 Other adverse effects:**

- Hydroquinone
SAFETY DATA SHEET


**L5000b LITHOSTAR ULTRA DEVELOPER**

Version 1  Print Date 11-27-2013
Revision Date 09-26-2013

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Avoid infiltration in to drinking supplies, waste water or soil.

- 1-Phenyl-4-methyl-3-pyrazolidone

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. This substance is not in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Waste disposal methods**

Do not release into drain. Collect for removal by a licensed waste contractor. Effluent regulations/discharge/treatment/contents may vary from one area to another. Please consult the local regulations regarding the disposal of this material.

**Empty containers.**

As the packaging can be contaminated with product residus, please observe the warnings of the label even when the container is empty. Do not reuse empty container without proper cleaning. Label precautions also apply to this container when empty.

**US. RCRA Hazardous Waste Classification (40 CFR 261)**

When discarded in its purchased form, this product meets the criteria of corrosivity, and should be managed as a hazardous waste (EPA Hazardous Waste Number D002).

**SECTION 14. TRANSPORT INFORMATION**

Not regulated according to IMO/IMDG.
Not regulated according to ICAO/IATA aircraft only.
Not regulated according to ICAO/IATA passenger and cargo aircraft.
Not Regulated according to US Department of Transportation (DOT) 49 CFR
Not regulated according to Transport of Dangerous Goods (TDG)

**SECTION 15. REGULATORY INFORMATION**

**US. Toxic Substances Control Act (TSCA)**

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substance Control Act (U.S, EPA TSCA) inventory.

**US. OSHA Classification**

This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)**

REG_NOAM 15/17 EN
SAFETY DATA SHEET
L5000b LITHOSTAR ULTRA DEVELOPER

Version 1  Print Date 11-27-2013
Revision Date 09-26-2013

- Hydroquinone : Threshold planning quantity, lower value: 500 lbs
- : Threshold planning quantity, upper value: 10,000 lbs

US. SARA 311/312 Hazard Categories
Acute Health Hazard.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required
- Hydroquinone : De minimis concentration: 1.0 %
- : Reportable threshold: 10,000 lbs
- : Reportable threshold: 25,000 lbs

US. EPA CERCLA Hazardous Substances (40 CFR 302)
- Hydroquinone : Reportable quantity: 100 lbs

State Right-to-Know Information
The following chemicals are specifically listed by individual states. Other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Concentration [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>123-31-9</td>
<td>&gt;= 1.0 - &lt;= 5.0</td>
</tr>
</tbody>
</table>

US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Concentration [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>123-31-9</td>
<td>&gt;= 1.0 - &lt;= 5.0</td>
</tr>
<tr>
<td>10043-67-1</td>
<td>&gt;= 1.0 - &lt;= 5.0</td>
</tr>
</tbody>
</table>

US. Rhode Island Hazardous Substances Right-to-Know Act (R.I. Gen. Laws Section 28-21-1 et. seq.)

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Concentration [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>123-31-9</td>
<td>&gt;= 1.0 - &lt;= 5.0</td>
</tr>
</tbody>
</table>

US. Massachusetts, New Jersey, Pennsylvania or Rhode Island Right to Know Substance Lists : See Section 2.

Canadian WHMIS Classification
E : Corrosive material
D1B : Toxic Material Causing Immediate and Serious Toxic Effects

Canadian Environmental Protection Act (CEPA)
All components of this product are on the Canadian DSL list.
SECTION 16. OTHER INFORMATION

Text of H-phrases referred to under headings 2 and 3:

- H302 Harmful if swallowed.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H341 Suspected of causing genetic defects.
- H351 Suspected of causing cancer.
- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.

This MSDS is replacing Agfa MSDS number 745G

This information is furnished without warranty, expressed or implied, and is believed to be accurate to the best knowledge of Agfa Corporation. The data on this SDS relates only to the specific material designated herein. Agfa Corporation assumes no legal responsibility for use or reliance upon these data. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.