The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

DuPont Material Safety Data Sheet

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D-4000 LIQUID DEVELOPER CONCENTRATE
L0000100 Revised 9-AUG-2002
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------------------------------------------------------------------------
CHEMICAL PRODUCT/COMPANY IDENTIFICATION
------------------------------------------------------------------------
Material Identification

  Corporate MSDS Number : DU002718

Tradenames and Synonyms

  Potassium Carbonate Liquid
  Carbonate of Potash Solution

Company Identification

  MANUFACTURER/DISTRIBUTOR
    DuPont
    1007 Market Street
    Wilmington, DE 19898

PHONE NUMBERS

  Product Information : 1-800-441-7515 (outside the U.S.
                      302-774-1000)
  Transport Emergency : CHEMTREC 1-800-424-9300(outside U.S.
                      703-527-3887)
  Medical Emergency    : 1-800-441-3637 (outside the U.S.
                      302-774-1000)

------------------------------------------------------------------------
COMPOSITION/INFORMATION ON INGREDIENTS
------------------------------------------------------------------------
Components

<table>
<thead>
<tr>
<th>Material</th>
<th>CAS Number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>POTASSIUM CARBONATE</td>
<td>584-08-7</td>
<td>30-60</td>
</tr>
<tr>
<td>WATER</td>
<td>7732-18-5</td>
<td>40-70</td>
</tr>
</tbody>
</table>

Composition ranges are expressed in weight %.

------------------------------------------------------------------------
HAZARDS IDENTIFICATION
------------------------------------------------------------------------
Potential Health Effects

POTASSIUM CARBONATE

In acute toxicity testing in animals, potassium carbonate was of slight toxicity by ingestion. It is a skin, eye, nose and throat irritant. Prolonged eye contact can cause corneal destruction and loss of vision. Ingestion of strong concentrations can cause gastrointestinal tract irritation.

ANIMAL DATA
Oral LD50: 1870 mg/kg in rats

Potassium carbonate is a mild skin irritant and an eye irritant. Toxic effects described in animals from single exposures by ingestion include a cellular change in the kidney tubules. Animal testing indicates that potassium carbonate does not have developmental effects. Potassium carbonate does not produce genetic damage in bacterial and mammalian cell cultures but has not been tested in animals.

HUMAN HEALTH EFFECTS OF OVEREXPOSURE BY:

Skin contact may include skin irritation or rash. Eye contact may cause eye irritation with tearing, or blurring of vision. Prolonged eye contact can cause corneal destruction and loss of vision. Inhalation of the mist or dust may cause irritation of the upper respiratory passages, with discomfort and coughing. Ingestion of strong concentrations may include gastrointestinal tract irritation.

Test data shows that this material is corrosive to the skin.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

FIRST AID MEASURES

First Aid

INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SKIN CONTACT

Flush skin with water after contact. Wash contaminated clothing before reuse.

EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION

Print Date: 02-07-2003
(FIRST AID MEASURES - Continued)

If swallowed, do not induce vomiting. Give large quantity of water. Call a physician immediately. Never give anything by mouth to an unconscious person.

FIRE FIGHTING MEASURES

Flammable Properties

Will not burn.

Hazardous gases/vapors produced in fire are potassium oxides and oxides of carbon.

Extinguishing Media

Use media appropriate for surrounding material.

Fire Fighting Instructions

Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus. Wear full protective equipment.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Initial Containment

Dike spill. Prevent material from entering sewers, waterways, or low areas.

Spill Clean Up

Soak up with sawdust, sand, oil dry or other absorbent material.

HANDLING AND STORAGE

Handling (Personnel)

Do not get in eyes. Avoid breathing vapors or mist. Avoid contact with skin. Avoid contact with clothing. Wash thoroughly after handling.

Handling (Physical Aspects)

Close container after each use.
Storage

Keep container tightly closed.

---------------------------------------------------------------------
EXPOSURE CONTROLS/PERSONAL PROTECTION
---------------------------------------------------------------------

Engineering Controls

Keep container tightly closed.

Use ventilation that is adequate to keep employee exposure to airborne concentrations below recommended exposure limits.

Personal Protective Equipment

EYE/FACE PROTECTION

Wear safety glasses. Wear coverall chemical splash goggles and face shield when the possibility exists for eye and face contact due to splashing or spraying of material.

RESPIRATORS

A NIOSH/MSHA approved air purifying respirator with a mist cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

PROTECTIVE CLOTHING

Wear impervious clothing, such as gloves, apron, boots or whole bodysuit made from Neoprene, as appropriate.

Exposure Guidelines

Exposure Limits
D-4000 LIQUID DEVELOPER CONCENTRATE
PEL (OSHA) : None Established
TLV (ACGIH) : None Established
PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Boiling Point : 108 °C (226 °F) @ 760 mm Hg
Vapor Pressure : 12 mm Hg @ 20.5 °C (68.9 °F)
Freezing Point : -10.8 °C (12.6 °F)
Solubility in Water : 100 WT% @ 20 °C (68 °F)
pH : 13
     11.6 Working Strength
Odor : Odorless
Form : Clear liquid
Color : Colorless
Specific Gravity : 1.41 @ 15.6C (60F)

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Incompatibility with Other Materials

Incompatible with acids (releases CO2); calcium oxide (forms potassium hydroxide).

Polymerization

Polymerization will not occur.

DISPOSAL CONSIDERATIONS

Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

TRANSPORTATION INFORMATION

# Shipping Information

DOT/IMO/IATA
Proper Shipping Name : Corrosive Liquid, n.o.s., (Contains potassium carbonate)
Hazard Class : 8
UN No. : 1760
Packing Group : III
REGULATORY INFORMATION
U.S. Federal Regulations

TSCA Inventory Status : Listed.

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute : Yes
Chronic : Yes
Fire : No
Reactivity : No
Pressure : No

OTHER INFORMATION
NFPA, NPCA-HMIS

NFPA Rating
Health : 2
Flammability : 0
Reactivity : 1

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

DUPONT iTECHNOLOGIES
14 ALEXANDER DRIVE
RESEARCH TRIANGLE PARK, NC 27709
919-248-5345 OR 919-248-5027

# Indicates updated section.

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

End of MSDS