Prisco

# Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 01/27/2005 Reviewed on 01/27/2005

* **1 Identification of substance**
· **Product details**
· Trade name: **ALKALESS R**
· Article number: C001
· Application of the substance / the preparation Wetting agent
· Manufacturer/Supplier:
Printers' Service
26 Blanchard Street
Newark, NJ 07105
· Information department: 1-973-589-7800
· Emergency information: CHEMTREC (24 hr) 1-800-424-9300

**2 Composition/Data on components**
· **Chemical characterization:**
· CAS No. Description
111-76-2 2-butoxyethanol
· Identification number(s)
· EINECS Number: 203-905-0
· EU Number: 603-014-00-0

* **3 Hazards identification**
· **Hazard description:**
Not applicable.
Harmful
· **Information pertaining to particular dangers for man and environment:**
Not applicable.
Harmful by inhalation, in contact with skin and if swallowed.
Irritating to eyes and skin.
· **Classification system:**
· **NFPA ratings (scale 0 - 4)**
Health = 2
Fire = 2
Reactivity = 0
· HMIS-ratings (scale 0 - 4)
Health = 2
Fire = 2
Reactivity = 0

**4 First aid measures**
· **General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
· **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
· **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:** Immediately call a doctor.

**5 Fire fighting measures**
· **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **Protective equipment:** Mouth respiratory protective device.

**6 Accidental release measures**
· **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
· **Measures for environmental protection:** No special measures required.
· **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

(Contd. on page 2)

# Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 01/27/2005 Reviewed on 01/27/2005

**Trade name: ALKALESS R**

(Contd. of page 1)

Ensure adequate ventilation.

## 7 Handling and storage

· **Handling:**
· Information for safe handling:
Store in cool, dry place in tightly closed receptacles.
Ensure good ventilation/exhaustion at the workplace.
· Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.

· **Storage:**
· Requirements to be met by storerooms and receptacles: No special requirements.
· Information about storage in one common storage facility: Not required.
· Further information about storage conditions: Keep receptacle tightly sealed.

* **8 Exposure controls and personal protection**
· **Additional information about design of technical systems:** No further data; see item 7.

· **Components with limit values that require monitoring at the workplace:**

**111-76-2 2-butoxyethanol**
PEL 240 mg/m³, 50 ppm
Skin
REL 24 mg/m³, 5 ppm
Skin
TLV 97 mg/m³, 20 ppm
NIC-A3
· Additional information: The lists that were valid during the creation were used as basis.

· **Personal protective equipment:**
· General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
· Breathing equipment:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
· Protection of hands:
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· Material of gloves
Nitrile rubber, NBR
Natural rubber, NR
Neoprene gloves
· Penetration time of glove material
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· Eye protection: Tightly sealed goggles

* **9 Physical and chemical properties**
· **General Information**

| | |
|---|---|
| Form: | Liquid |
| Color: | Colorless |
| Odor: | Slightly sweetish |

· **Change in condition**

| | |
|---|---|
| Melting point/Melting range: | -70.4°C (-95°F) |
| Boiling point/Boiling range: | 169°C (336°F) |

· **Flash point:** 66°C (151°F)

(Contd. on page 3)

# Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 01/27/2005 Reviewed on 01/27/2005

**Trade name: ALKALESS R**

(Contd. of page 2)

| | |
|---|---|
| · **Ignition temperature:** | 240°C (464°F) |
| · **Danger of explosion:** | Product does not present an explosion hazard. |
| · **Explosion limits:** | |
| Lower: | 1.1 Vol % |
| Upper: | 10.6 Vol % |
| · **Vapor pressure at 20°C (68°F):** | 0.8 hPa (1 mm Hg) |
| · **Density at 20°C (68°F):** | 0.902 g/cm³ |
| · **Solubility in / Miscibility with** | |
| Water: | Soluble. |
| Organic solvents: | 100.0 % |
| · **VOC** | 898.3 g/l / 7.49 lb/gl |

* **10 Stability and reactivity**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Dangerous reactions** No dangerous reactions known.
· **Dangerous products of decomposition:** Carbon monoxide and carbon dioxide

**11 Toxicological information**
· **Acute toxicity:**
· LD/LC50 values that are relevant for classification:

**111-76-2 2-butoxyethanol**

Oral LD50 1480 mg/kg (rat)

Dermal LD50 400 mg/kg (rab)
· Primary irritant effect:
· on the skin: Irritant to skin and mucous membranes.
· on the eye: Irritating effect.
· Sensitization: No sensitizing effects known.

**12 Ecological information**
· **General notes:** Not known to be hazardous to water.

**13 Disposal considerations**

· **Product:**
· Recommendation:
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**
· Recommendation: Disposal must be made according to official regulations.

**14 Transport information**

| | |
|---|---|
| · Hazard class: | 3 |
| · Identification number: | NA1993 |
| · Packing group: | III |
| · Proper shipping name (technical name): | COMBUSTIBLE LIQUID, N.O.S |

**15 Regulations**
· Sara
· Section 355 (extremely hazardous substances):
Substance is not listed.
· Section 313 (Specific toxic chemical listings):
Substance is listed.
· TSCA (Toxic Substances Control Act):
Substance is listed.
· Proposition 65
· Chemicals known to cause cancer:
Substance is not listed.
· Chemicals known to cause reproductive toxicity:
Substance is not listed.

(Contd. on page 4)

# Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 01/27/2005 Reviewed on 01/27/2005

**Trade name: ALKALESS R**

(Contd. of page 3)

· Cancerogenity categories
· EPA (Environmental Protection Agency)
Substance is not listed.
· IARC (International Agency for Research on Cancer)
Substance is not listed.
· NTP (National Toxicology Program)
Substance is not listed.
· TLV (Threshold Limit Value established by ACGIH)
Substance is not listed.
· MAK (German Maximum Workplace Concentration)
Substance is not listed.
· NIOSH-Ca (National Institute for Occupational Safety and Health)
Substance is not listed.
· OSHA-Ca (Occupational Safety & Health Administration)
Substance is not listed.

· **Product related hazard informations:**
The product has been classified and marked in accordance with directives on hazardous materials.

* **16 Other information**
This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
· **Contact:** CHEMTREC (24hr) 1-800-424-9300, Printers Service 1-973-589-7800
· * Data compared to the previous version altered.