

1 Identification of substance

· **Product details**

- Trade name: **2451 FOUN CONC**
- Article number: C111
- Application of the substance / the preparation Wetting agent
- Manufacturer/Supplier:
Printers' Service
26 Blanchard Street
Newark, NJ 07105
- Information department: 1-973-589-7800 (MSDS revised 6/28/2007)
- Emergency information: CHEMTREC (24 hr) 1-800-424-9300

2 Composition/Data on components

· **Chemical characterization**

- Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:

111-76-2 2-butoxyethanol	10 - 20%
Xn, Xi; R 20/21/22-36/37/38	
107-21-1 ethylene glycol	5 - 10%
Xn; R 22	
10377-60-3 magnesium nitrate	5 - 10%
Xi; R 36/38	
872-50-4 N-methyl-2-pyrrolidone	≤ 2.5%
Xn, Xi; R 10-20/21/22-36/38	

- Additional information: For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

· **Hazard description:**

Irritant

· **Information pertaining to particular dangers for man and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Irritating to eyes and skin.

Harmful by inhalation, in contact with skin and if swallowed.

· **Classification system:**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· **NFPA ratings (scale 0 - 4)**

Health = 1

Fire = 0

Reactivity = 0

· **HMS-ratings (scale 0 - 4)**

Health = 1

Fire = 0

Reactivity = 0

4 First aid measures

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

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:** If symptoms persist consult doctor.

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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:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7 Handling and storage

- **Handling:**
 - Information for safe handling: Store in cool, dry place in tightly closed receptacles.
 - Information about protection against explosions and fires: No special measures required.
- **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
 - 107-21-1 ethylene glycol**
 TLV Short-term value: C 100 mg/m³
 (H)
- **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:** Not required.
 - **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**
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
 - **Penetration time of glove material**
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
 - **Eye protection:** Tightly sealed goggles

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9 Physical and chemical properties**General Information**

Form: Fluid
 Color: Red
 Odor: Characteristic

Change in condition

Melting point/Melting range: Undetermined.
 Boiling point/Boiling range: 100°C (212°F)

Flash point: Not applicable.

Ignition temperature: 240.0°C (464°F)

Auto igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Vapor pressure at 20°C (68°F): 17.8 hPa (13 mm Hg)

Density at 20°C (68°F): 1.10 g/cm³

Solubility in / Miscibility with

Water: Soluble.

VOC 209.9 g/l / 1.75 lb/gal (EPA Method 24)

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
 Nitrogen oxides

11 Toxicological information**Acute toxicity:**

Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritating effect.

Sensitization: Sensitization possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:
 Irritant

12 Ecological information**General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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: Not a DOT regulated material

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15 Regulations

- Sara
- Section 355 (extremely hazardous substances):
None of the ingredient is listed.
- Section 313 (Specific toxic chemical listings):
111-76-2 2-butoxyethanol
107-21-1 ethylene glycol
872-50-4 N-methyl-2-pyrrolidone
- TSCA (Toxic Substances Control Act):
All ingredients are listed.
- Proposition 65
- Chemicals known to cause cancer:
None of the ingredients is listed.
- Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.
- Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.
- Chemicals known to cause developmental toxicity:
872-50-4 N-methyl-2-pyrrolidone
- Cancerogenity categories
- EPA (Environmental Protection Agency)
None of the ingredients is listed.
- IARC (International Agency for Research on Cancer)
None of the ingredients is listed.
- NTP (National Toxicology Program)
None of the ingredients is listed.
- TLV (Threshold Limit Value established by ACGIH)
107-21-1 ethylene glycol: A4
- MAK (German Maximum Workplace Concentration)
None of the ingredients is listed.
- NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.
- OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.
- **Product related hazard informations:**
The product has been classified and marked in accordance with directives on hazardous materials.
- **National regulations:**
- Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

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.

- **Department issuing MSDS:**
- **Contact:** CHEMTREC (24hr) 1-800-424-9300, Printers Service 1-973-589-7800
- * Data compared to the previous version altered.

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