1. IDENTIFICATION OF THE PRODUCT AND COMPANY

1.1 Product description: BARAK UV 300 – Flushing Fluid
Cat. No: MBIFL05

1.2 Intended uses: Cleaner. Only for industrial use.

1.3 Company:
MATAN DIGITAL PRINTERS.
14 Amal St., Rosh-Ha'ayin 48092, Israel
Tel: +972 3 9002720, Fax: +972 3 9002721

1.4 Emergency phone number: + 972 3 9002720

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 Chemical description:
Mixture of organic solvents.
CH3-CH2-CH2-CH2-O-CH2-CH(OH)-CH3

2.2 Ingredients:

<table>
<thead>
<tr>
<th></th>
<th>EC225-878-4</th>
<th>CAS 5131-66-8</th>
<th>Index No.603-052-00-8</th>
</tr>
</thead>
<tbody>
<tr>
<td>50-100 % 1-butoxypropan-2-ol</td>
<td>Xi:R36/38</td>
<td>ATP12</td>
<td></td>
</tr>
</tbody>
</table>

For more information, see sections 8, 11, 12 and 16.

3. IDENTIFICATION OF HAZARDS

3.1 EC classification: Xi:R36/38

3.2 Adverse effects: Irritating to eyes. Irritating to skin.
4. FIRST AID MEASURES

When in doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

4.1 By inhalation: Remove the patient out of the contaminated area into the fresh air. If breathing is irregular or stops, administer artificial respiration. If the person is unconscious, place in appropriate recovery position. Keep the patient warm and at rest until medical attention arrives.

4.2 By contact with the skin: Remove contaminated clothing and wash it separately with an alkaline detergent. Throw away clothing should it be highly contaminated. Avoid concurrent exposure to sunlight or other sources of UV radiation which may increase skin sensitivity. Wash thoroughly the affected area with plenty of cold or lukewarm water and neutral soap, or use a suitable skin cleanser. Do not use solvents or thinners. In the case of skin reddening or rashes, contact a doctor immediately.

4.3 By contact with eyes: Remove contact lenses. Rinse eyes copiously by irrigation with plenty of clean, fresh water for at least 15 minutes, holding the eyelids apart, until the irritation is reduced. Avoid concurrent exposure to sunlight or other sources of UV radiation which may increase eye sensitivity. Call a physician immediately.

4.4 By ingestion: If swallowed, seek immediate medical attention. Do not induce vomiting, due to the risk of aspiration. Keep the patient at rest.

5. FIRE-FIGHTING MEASURES

5.1 Means of extinction: Extinguishing powder or CO2. In the case of more important fires, also alcohol resistant foam and water spray/mist. Do not use for extinguishing: direct water jet.

5.2 Specific risks: As consequence of combustion or thermal decomposition, hazardous products may be produced: carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides. Exposure to combustion or decomposition products may be a hazard to health. Pyrolyzed acrylates are highly irritant to the respiratory system.

5.3 Fire-proof protective equipment: Depending on magnitude of fire, heat-proof protective clothing may be required, appropriate independent breathing apparatus, gloves, protective glasses or face masks and boots.

5.4 Other recommendations: Cool with water the tanks, cisterns or containers close to sources of heat or fire. Bear in mind the direction of the wind. Do not allow fire-fighting residue to enter drains, sewers or water courses.
6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Eliminate possible sources of ignition and when appropriate, ventilate the area. Do not smoke. Avoid direct contact with this product. Avoid breathing vapors. For exposure controls and personal protection measures, see section 8.

6.2 Environmental precautions: Avoid contamination of drains, surface or subterranean water and soil. In the case of large scale spills or when the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations.

6.3 Cleaning-up methods: Contain and mop up spills with non-combustible absorbent materials (earth, sand, vermiculite, diatomaceous earth, etc.). Clean preferably with a detergent. Avoid use of solvents. Keep the remains in a closed container. For subsequent waste disposal, follow the recommendations in section 13.

7. HANDLING AND STORAGE

7.1 Handling precautions:
- General recommendations: Avoid any type of leakage or escape. Keep the container tightly closed.
- Recommendations for the prevention of fire and explosion: Vapors are heavier than air, may spread along floors to a considerable distance, can form explosive mixtures with air and are able to reach distant ignition sources and flame up or explode. Due to its flammability, this material should only be used in areas from which all naked lights and other sources of ignition have been excluded and away from other heat or electrical sources. Due to the possibility of the product becoming charged electrostatically, always use earthed leads when transferring from one container to another. Switch mobile phones off and do not smoke. Use instruments, systems and protective equipment adequate to the classification of zones, according to the health and safety laws at work laws, in accordance with directive 94/9/EC and 99/92/EC. Electrical equipment should be protected to the appropriate standard. No tools with a potential for sparks should be used. Floors should be electrically conductive and operators should wear anti-static footwear and clothing. Elaborate the document “Protection against explosion”.
- Recommendations for the prevention of fire and explosion risks: Although due its low flammability does not represent a serious risk of fire, all type of measures should be taken in order to avoid any possibility of ignition.

- Flash point: > 63 ºC Setalflash
- Auto ignition temperature: > 260 ºC
- Flammability range: >1.1-8.4% Volume 25 ºC
- Flammability range: >0.9-10.3% Volume 300 ºC

- Recommendations for the prevention of toxicological risks:
Do not eat, drink or smoke in application and drying areas. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8.
7.2 Storage conditions:
Prevent unauthorized access. This product should be stored isolated from heat and electrical sources. Do not smoke in storage area. In order to avoid leakages, the containers, after use, should be closed carefully and placed in a vertical position.
- Class of store: According to current legislation.
- Maximum storage period: not applicable
- Temperature interval: min: 5. °C, max: 40. °C
- Incompatible materials: Keep away from oxidizing agents.
- Conditions to avoid:
  - Heat: Keep away from sources of heat.
  - Light: Avoid direct contact with sunlight.
  - Humidity: Avoid extreme humidity conditions.
- Type of packaging: According to current legislation.

7.3 Specific uses:
For the use of this product do not exist particular recommendations apart from that already indicated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION 98/24/EC

8.1 Occupational Exposure Limits TLV AGCIH-2005:
Not available.

8.2 Occupational exposure controls, Directive 89/686/EEC:
Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction.
- Protection of respiratory system: Avoid the inhalation of vapors.
  - Mask: Mask for gases and vapors (EN 141). In order to obtain a suitable protection level, the filter class must be selected depending on the type and concentration of the contaminating agents present, in accordance with the specifications supplied by the filter producers.
- Protection of eyes and face: Install emergency eye baths close to the working area.
  - Goggles: Safety goggles designed to protect against liquid splashes, with suitable lateral protection (EN166).
  - Face shield: No.
- Protection of hands and skin: Install emergency showers close to the working area. Barrier creams may help to protect the exposed areas of the skin. Barrier creams should not be applied once exposure has occurred.
  - Gloves: Solvent-resistant gloves (EN374). The breakthrough time of the selected glove material should be superior to the pretended period of use. The gloves should be immediately replaced when any sign of degradation is noted.
  - Boots: No.
  - Apron: No.
  - Clothing: Suitable work clothes which avoid contact with the product should be worn.
8.3 Environmental exposure controls:
Avoid any spillage in the environment. Avoid any release into the atmosphere.

9. PHYSICAL AND CHEMICAL PROPERTIES
- Physical state: Liquid.
- Color: Colorless
- Odor: Characteristic.
- Molecular weight (numeric) 132.3g/mol MWn
- Viscosity: 2.8 cps 25 ºC
- Specific gravity: 0.88 g/cc at 20 ºC
- Solubility in water: 60g/l at 20 ºC
- Flash point: 63 ºC
- Melting point: -75 ºC
- Boiling point: 171 ºC at 760 mmHg
- Vapor pressure: 0.8 mmHg at 20ºC
- Velocity of evaporation: 4.2 nBuAc=100 25 ºC Relative
For additional information concerning physical and chemical properties related to safety and environment, see sections 7 and 12.

10. STABILITY AND REACTIVITY
10.1 Stability: Stable under recommended storage and handling conditions.
10.2 Dangerous reactions: Possible dangerous reaction with oxidizing agents.
10.3 Thermal decomposition: As consequence of thermal decomposition, hazardous products may be produced: carbon monoxide

11. TOXICOLOGICAL INFORMATION
11.1 Toxicological effects:
Irritating to eyes, respiratory system and skin. Injuries to the cornea may be serious and extense. May have an adverse effect on the liver. Repeated or prolonged contact may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.
- Genotoxicity: In vivo medullary citotoxicity in rats: negative.

11.2 Dose and lethal concentrations:
<table>
<thead>
<tr>
<th>1-butoxypropan-2-ol</th>
<th>DL50 Oral Mg/kg</th>
<th>DL50 Cutaneous mg/kg</th>
<th>CL50 Inhalation mg/m3.4hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3300. Rat</td>
<td>&gt;2000 Rat</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
For more information about ingredients dangerous to health, see sections 2 and 8.

12. ECOLOGICAL INFORMATION

12.1 Spills on the soil:
Prevent contamination of soil.

12.2 Spills in water:
Do not allow to escape into drains, sewers or water courses.
-Biodegradability: Readily biodegradable

12.3 Emissions to the atmosphere:
Avoid any release into the atmosphere.
- VOC (supply): 100.0% Weight
- VOC (industrial installations):
  · It must be verified if it is applicable the Directive 1999/13/EC, on the limitation of emissions of volatile compounds due to the use of organic solvents in certain activities and installations: Solvents: 100.0% Weight, VOC (supply): 100.0% Weight, VOC: 63.5% C (expressed as carbon), Molecular weight (average): 132.3, Number C atoms (average): 7.0.

12.4 Ecotoxicological data for individual ingredients:
1-butoxypropan-2-o-I  CL50 CE50 CE50
Mg/l.96hours mg/l.48hours mg/l.72hours
560 Fishes 1000.Daphnia

13. CONSIDERATIONS FOR DISPOSAL

13.1 Handling of waste, Directive 75/442/EEC~91/156/EC: Take all necessary measures to prevent the production of waste whenever possible. Analyze possible methods for revaluation or recycling. Do not discharge into drains or the environment, dispose of at an authorized waste collection point. Waste should be handled and disposed of in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.

13.2 Disposal of empty containers, Directive 94/62/EC: Emptied containers and packaging should be disposed of in accordance with currently local and national regulations.

13.3 Procedures for neutralizing or destroying the product: Controlled incineration in special facilities for chemical waste, but in accordance with local regulations.

14. TRANSPORT INFORMATION

14.2 Transport by sea (IMDG 32-04): Free

14.3 Transport by air (ICAO/IATA): Free

15. INFORMATION ON REGULATIONS

15.1 EC Labeling: Xi
This product is labeled as IRRITANT in accordance with Directive 67/548/EEC~2004/73/EC
R36/R38 Irritating to eyes and skin.
-Dangerous ingredients: 1butoxypropan-2-ol
   EC N°225-878-4

15.2 Restrictions to the marketing and use in accordance with Directive 76/769/EEC:
Not applicable.

15.3 Other EC regulations:
Not applicable

15.4 Other regulations:
Not available

16. OTHER INFORMATION

Text of R-phrases listed in section 2:
R36/38 Irritating to eyes and skin.

Material Safety Data Sheet regulations:
Material Safety Data Sheet in accordance with Directive 91/155/EEC~2001/58/EC.

History:
Version: Provisional
Date of issue: 01/08/2007

The information of this Material Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfill the demand laid down in the local rules and legislation. The information in this Material Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.