

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING****Product name: CDX****Product code: AS 53****Use of substance / preparation: Heavy duty degreaser / stripper****Company name: Bio-Productions Ltd**

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**2. HAZARDS IDENTIFICATION****Main hazards: Irritating to eyes and skin.****3. COMPOSITION / INFORMATION ON INGREDIENTS****Hazardous ingredients: SODIUM METASILICATE, PETAHYDRATE 1-5%**

EINECS: 229-912-9 CAS: 10213-79-3

[C] R34; [Xi] R37

**• ALCOHOL ALKOXYLATE 1-5%**

[Xi] R41

**• 2,2'-IMINODIETHANOL 1-5%**

EINECS: 203-868-0 CAS: 111-42-2

[Xn] R22; [Xi] R38; [Xi] R41; [Xn] R48/22

**• 2-(2-BUTOXYETHOXY)ETHANOL 5-15%**

EINECS: 203-961-6 CAS: 112-34-5

[Xi] R36

**• 3-BUTOXYPROPAN-2-OL 5-15%**

EINECS: 225-878-4 CAS: 5131-66-8

[Xi] R36/38

**• PROPAN-2-OL 1-5%**

EINECS: 200-661-7 CAS: 67-63-0

[F] R11; [Xi] R36; [-] R67

**• TRISODIUM NITROLOTRIACETIC ACID 1-5%**

CAS: 5064-31-3

[Xn] R22; [Xi] R36/38

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## 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

## 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

**Exposure hazards:** In combustion emits toxic fumes.

**Protection of fire-fighters:** Wear protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

**Environmental precautions:** Do not discharge into drains or rivers.

**Clean-up procedures:** Small spills can be handled with a mop and water. Large spills should be contained with sand or sawdust and disposed of under local authority regulations.

## 7. HANDLING AND STORAGE

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Recommended shelf life of 12 months(1 year) when stored at or below 25 deg C in the original unopened containers.

**Suitable packaging:** Must only be kept in original packaging.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Hazardous ingredients:** 2,2'-IMINODIETHANOL

WEL (8 hr TWA): 13 mg/m<sup>3</sup>

• 2-(2-BUTOXYETHOXY)ETHANOL

WEL (8 hr TWA): 67.5 mg/m<sup>3</sup> WEL (15 min STEL): 101.2 mg/m<sup>3</sup>

• PROPAN-2-OL

WEL (8 hr TWA): 999 mg/m<sup>3</sup> WEL (15 min STEL): 1250 mg/m<sup>3</sup>

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** May cause irritation to sensitive skin if frequent contact with unprotected skin. Wear protective

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**Eye protection: Avoid contact with eyes.**

**Skin protection: Protective clothing.**

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State: Liquid**

**Colour: Colourless**

**Odour: Characteristic odour**

**Evaporation rate: Slow**

**Solubility in water: Miscible in all proportions**

**Viscosity: Non-viscous**

**Flash point°C: 58 not combustible**

**Relative density: 1.053**

**pH: 12.5-13.5**

## 10. STABILITY AND REACTIVITY

**Stability: Stable under normal conditions.**

**Conditions to avoid: Heat.**

**Materials to avoid: Acids.**

**Haz. decomp. products: In combustion emits toxic fumes.**

## 11. TOXICOLOGICAL INFORMATION

**Hazardous ingredients: SODIUM METASILICATE, PETAHYDRATE**

ORL RAT LD50 1280 mg/kg

• **2,2'-IMINODIETHANOL**

IVN RAT LD50 778 mg/kg

ORL MUS LD50 3300 mg/kg

ORL RAT LD50 620 µl/kg

SCU RAT LD50 2200 mg/kg

• **2-(2-BUTOXYETHOXY)ETHANOL**

ORL MUS LD50 6050 mg/kg

ORL RAT LD50 4500 mg/kg

• **3-BUTOXYPROPAN-2-OL**

ORL RAT LD50 5660 µl/kg

SKN RBT LD50 3100 mg/kg

• **PROPAN-2-OL**

IVN RAT LD50 1088 mg/kg

ORL MUS LD50 3600 mg/kg

ORL RAT LD50 5045 mg/kg

SCU MUS LDLO 6 gm/kg

[cont...]

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• **TRISODIUM NITROLOTRIACETIC ACID**

ORL RAT LD50 1-2 g/kg

**Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.**

## 12. ECOLOGICAL INFORMATION

**Hazardous ingredients: SODIUM METASILICATE, PETAHYDRATE**

ALGAE 72H IC50 no data mg/l

DAPHNIA 96H LC50 >247 mg/l

FISH 96H LC50 >2320 mg/l

• **ALCOHOL ALKOXYLATE**

DAPHNIA 48H EC50 6.8 mg/l

**Mobility: Readily absorbed into soil.**

**Persistence and degradability: Biodegradable. Sodium metasilicate which is inorganic, will rapidly depolymerise into molecular species indistinguishable from natural dissolved silica.**

**Bioaccumulative potential: No bioaccumulation potential.**

**Other adverse effects: Negligible ecotoxicity.**

## 13. DISPOSAL CONSIDERATIONS

**Disposal operations: The pH of the concentrated product is above the acceptable limits for direct discharge. Consult local regulations for disposal.**

**NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.**

## 14. TRANSPORT INFORMATION

### ADR / RID

UN no: Not Classified.

### IMDG / IMO

UN no: Not Classified.

### IATA / ICAO

UN no: Not Classified.

## 15. REGULATORY INFORMATION

**Hazard symbols: Irritant.**



**Risk phrases: R36/38: Irritating to eyes and skin.**

**Safety phrases: S2: Keep out of the reach of children.**

S24/25: Avoid contact with skin and eyes

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S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: After contact with skin, wash immediately with plenty of water.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Haz. ingredients (label): SODIUM METASILICATE, PETAHYDRATE**

**Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.**

## 16. OTHER INFORMATION

**Other information: Anionic surfactants - 5% - 15%**

Non-ionic surfactants - less than 5%

NTA - less than 5%

Contains: Sodium Metasilicate, Isopropanol

Note: Changes made to Sections 3, 6, 13 and 14 as part of revision 2 .

**Risk phrases used in s.3: R34: Causes burns.**

R37: Irritating to respiratory system.

R41: Risk of serious damage to eyes.

R22: Harmful if swallowed.

R38: Irritating to skin.

R48/22: Harmful: danger of serious damage to health by prolonged exposure if swallowed.

R36: Irritating to eyes.

R36/38: Irritating to eyes and skin.

R11: Highly flammable.

R67: Vapours may cause drowsiness and dizziness.

**Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.**