

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
 Trade name : Complete Degreaser Xtra (CDX)  
 Product code : AS53  
 UFI Number : DW98-A030-G001-HCXA  
 Product group : Trade product

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Professional use – Multi Purpose Cleaner Degreaser  
 Industrial/Professional use spec : For professional use only

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Bio-Productions  
 72 Victoria Road  
 Burgess Hill - United Kingdom  
 T 0044 (0) 1444 244000 - F 0044 (0) 1444 244999  
[technical@bio-productions.com](mailto:technical@bio-productions.com) - [www.bio-productions.com](http://www.bio-productions.com)

#### 1.4. Emergency telephone number

Emergency number : 0044 (0) 1444 244000 (office hours only)

| Country        | Organisation/Company   | Address                           | Emergency number  | Comment |
|----------------|--|-----------------------------------|---|---------|
| United Kingdom | National Poisons Information Service (Birmingham Centre)<br>City Hospital, Guy's & St Thomas' Hospital Trust | Dudley Road<br>B18 7QH Birmingham | 0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours) |         |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 1A H314

Full text of hazard classes and H-statements : see section 16

##### Adverse physicochemical, human health and environmental effects

Causes severe skin burns and eye damage.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H314 - Causes severe skin burns and eye damage

Precautionary statements (CLP) :

P102 - Keep out of reach of children

P260 - Do not breathe dust, fume, gas, mist, spray, vapours

P264 - Wash hands, forearms and face thoroughly after handling

P280 - Wear protective gloves, protective clothing, eye protection, face protection

P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER, a doctor

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P501 - Dispose of contents/container to an approved waste disposal plant

Detergent Regulation: Labelling of contents

Contains: Non ionic surfactants <5%

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name  | Product identifier   | %      | Classification according to Regulation (EC) No. 1272/2008 [CLP]                         |
|---|--|--------|---|
| 3-butoxypropan-2-ol, propylene glycol monobutyl ether | (CAS No) 5131-66-8<br>(EC no) 225-878-4<br>(EC index no) 603-052-00-8<br>(REACH-no) 01-2119475527-28 | 5 - 10 | Eye Irrit. 2, H319  |
| Sodium xylenesulphonate                               | (CAS No) 1300-72-7<br>(EC no) 215-090-9<br>(REACH-no) 01-2119513350-56                               | 3 - 5  | Eye Irrit. 2, H319  |
| SODIUM METASILICATE PENTAHYDRATE                      | (CAS No) 10213-79-3<br>(EC no) 229-912-9   | 3 - 5  | Met. Corr. 1, H290<br>Skin Corr. 1, H314<br>STOT SE 3, H335                             |
| 2,2'-iminodiethanol, diethanolamine                   | (CAS No) 111-42-2<br>(EC no) 203-868-0<br>(EC index no) 603-071-00-1<br>(REACH-no) 01-2119488930-28  | >= 3   | Acute Tox. 4 (Oral), H302<br>STOT RE 2, H373<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318 |
| propan-2-ol, isopropyl alcohol, isopropanol           | (CAS No) 67-63-0<br>(EC no) 200-661-7<br>(EC index no) 603-117-00-0<br>(REACH-no) 01-2119457558-25   | 1 - 3  | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336                             |

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : Call a physician immediately.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause irritation to the respiratory tract.
- Symptoms/injuries after skin contact : Burns.
- Symptoms/injuries after eye contact : Serious damage to eyes.
- Symptoms/injuries after ingestion : Burns.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : The product is not flammable. Water spray. Use extinguishing agent suitable for surrounding fire. Foam. Dry powder. Carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe mist, spray, vapours.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe fume, mist, vapours, spray. Wear personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| 3-butoxypropan-2-ol, propylene glycol monobutyl ether (5131-66-8) |                               |                        |
|---|-------------------------------|------------------------|
| EU  | IOELV TWA (ppm)               | 10 ppm                 |
| propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)             |                               |                        |
| United Kingdom  | Local name                    | Propan-2-ol            |
| United Kingdom  | WEL TWA (mg/m <sup>3</sup> )  | 999 mg/m <sup>3</sup>  |
| United Kingdom  | WEL TWA (ppm)                 | 400 ppm                |
| United Kingdom  | WEL STEL (mg/m <sup>3</sup> ) | 1250 mg/m <sup>3</sup> |
| United Kingdom  | WEL STEL (ppm)                | 500 ppm                |

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### Hand protection:

Protective gloves

##### Eye protection:

Safety glasses

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

##### Environmental exposure controls:

Avoid release to the environment.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|   |  |
|---|--|
| Physical state                              | : Liquid                                 |
| Colour                                      | : Clear / colourless                     |
| Odour                                       | : slight.                                |
| Odour threshold                             | : No data available                      |
| pH  | : 12.5 - 13.5                            |
| Relative evaporation rate (butyl acetate=1) | : No data available                      |
| Melting point                               | : Not applicable                         |
| Freezing point                              | : No data available                      |
| Boiling point                               | : > 100 °C                               |
| Flash point                                 | : No data available                      |
| Auto-ignition temperature                   | : No data available                      |
| Decomposition temperature                   | : No data available                      |
| Flammability (solid, gas)                   | : Not applicable                         |
| Vapour pressure                             | : No data available                      |
| Relative vapour density at 20 °C            | : No data available                      |
| Relative density                            | : No data available                      |
| Density                                     | : ≈ 1.052                                |
| Solubility                                  | : Miscible with water. Soluble in water. |
| Log Pow                                     | : No data available                      |
| Viscosity, kinematic                        | : No data available                      |
| Viscosity, dynamic                          | : No data available                      |
| Explosive properties                        | : Product is not explosive.              |
| Oxidising properties                        | : No data available                      |
| Explosive limits                            | : No data available                      |

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

No additional information available

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| <b>2,2'-iminodiethanol, diethanolamine (111-42-2)</b>                    |                        |
|--|------------------------|
| LD50 oral rat  | 1600                   |
| LD50 oral  | 710 mg/kg bodyweight   |
| LD50 dermal rabbit   | 12970                  |
| LD50 dermal  | 12200 mg/kg bodyweight |
| <b>3-butoxypropan-2-ol, propylene glycol monobutyl ether (5131-66-8)</b> |                        |
| LD50 oral rat  | 3300 mg/kg             |
| LD50 dermal rat  | > 2000                 |
| LC50 inhalation rat (Vapours - mg/l/4h)                                  | > 3.5 mg/l/4h          |

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| <b>propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)</b> |                        |
|--|------------------------|
| LD50 oral rat  | 5840 mg/kg             |
| LD50 oral  | 4396 mg/kg bodyweight  |
| LD50 dermal rat  | 13900 mg/kg            |
| LD50 dermal rabbit   | 12870 mg/kg            |
| LD50 dermal  | 12800 mg/kg bodyweight |
| LC50 inhalation rat (Dust/Mist - mg/l/4h)                    | 46600 mg/l/4h          |
| LC50 inhalation rat (Vapours - mg/l/4h)                      | 72.6 mg/l/4h           |

| <b>Sodium xylenesulphonate (1300-72-7)</b> |                         |
|--|-------------------------|
| LD50 oral                                  | > 7000 mg/kg bodyweight |
| LD50 dermal                                | > 2000 mg/kg bodyweight |

|  |   |
|--|---|
| Skin corrosion/irritation                          | : Causes severe skin burns and eye damage.<br>pH: 12.5 - 13.5 |
| Serious eye damage/irritation                      | : Serious eye damage, category 1, implicit<br>pH: 12.5 - 13.5 |
| Respiratory or skin sensitisation                  | : Not classified  |
| Germ cell mutagenicity                             | : Not classified  |
| Carcinogenicity                                    | : Not classified  |
| Reproductive toxicity                              | : Not classified  |
| Specific target organ toxicity (single exposure)   | : Not classified  |
| Specific target organ toxicity (repeated exposure) | : Not classified  |
| Aspiration hazard                                  | : Not classified  |

## SECTION 12: Ecological information

### 12.1. Toxicity

| <b>2,2'-iminodiethanol, diethanolamine (111-42-2)</b> |                                |
|---|--------------------------------|
| LC50 fish 1   | 1460 mg/l                      |
| EC50 Daphnia 1  | 55 mg/l                        |
| EC50 other aquatic organisms 1                        | 55 mg/l EC50 waterflea (48 h)  |
| EC50 other aquatic organisms 2                        | 75 mg/l IC50 algea (72 h) mg/l |
| ErC50 (other aquatic plants)                          | 2.2 mg/l                       |

| <b>3-butoxypropan-2-ol, propylene glycol monobutyl ether (5131-66-8)</b> |             |
|--|-------------|
| LC50 fish 1  | > 560 mg/l  |
| EC50 Daphnia 1   | > 1000 mg/l |

| <b>propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)</b> |                                    |
|--|------------------------------------|
| LC50 fish 1  | 9640 mg/l                          |
| LC50 fish 2  | 11130 mg/l                         |
| EC50 other aquatic organisms 1                               | 13299 mg/l EC50 waterflea (48 h)   |
| EC50 other aquatic organisms 2                               | > 1000 mg/l IC50 algea (72 h) mg/l |

| <b>Sodium xylenesulphonate (1300-72-7)</b> |                        |
|--|------------------------|
| EC50 other aquatic organisms 1             | > 1020 mg/l            |
| EC50 other aquatic organisms 2             | IC50 algea (72 h) mg/l |

### 12.2. Persistence and degradability

| <b>CDX</b>                    |  |
|-------------------------------|--|
| Persistence and degradability | The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. |

### 12.3. Bioaccumulative potential

| <b>2,2'-iminodiethanol, diethanolamine (111-42-2)</b> |       |
|---|-------|
| Log Pow   | -1.71 |

| <b>propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)</b> |      |
|--|------|
| Log Pow  | 0.05 |

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### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

No additional information available

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

|               |                  |
|---------------|------------------|
| UN-No. (ADR)  | : Not applicable |
| UN-No. (IMDG) | : Not applicable |
| UN-No. (IATA) | : Not applicable |
| UN-No. (ADN)  | : Not applicable |
| UN-No. (RID)  | : Not applicable |

### 14.2. UN proper shipping name

|                             |                  |
|-----------------------------|------------------|
| Proper Shipping Name (ADR)  | : Not applicable |
| Proper Shipping Name (IMDG) | : Not applicable |
| Proper Shipping Name (IATA) | : Not applicable |
| Proper Shipping Name (ADN)  | : Not applicable |
| Proper Shipping Name (RID)  | : Not applicable |

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not applicable

#### IMDG

Transport hazard class(es) (IMDG) : Not applicable

#### IATA

Transport hazard class(es) (IATA) : Not applicable

#### ADN

Transport hazard class(es) (ADN) : Not applicable

#### RID

Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

|                      |                  |
|----------------------|------------------|
| Packing group (ADR)  | : Not applicable |
| Packing group (IMDG) | : Not applicable |
| Packing group (IATA) | : Not applicable |
| Packing group (ADN)  | : Not applicable |
| Packing group (RID)  | : Not applicable |

### 14.5. Environmental hazards

|                               |  |
|-------------------------------|--|
| Dangerous for the environment | : No                                     |
| Marine pollutant              | : No                                     |
| Other information             | : No supplementary information available |

### 14.6. Special precautions for user

#### - Overland transport

Not applicable

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### - Transport by sea

Not applicable

### - Air transport

Not applicable

### - Inland waterway transport

Not applicable

### - Rail transport

Not applicable

## 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Changes from Previous version:

- UFI number added in section 1.1
- P-Statements added in Section 2.2

Abbreviations and acronyms:

|       |   |
|-------|---|
| ADN   | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways   |
| ADR   | European Agreement concerning the International Carriage of Dangerous Goods by Road               |
| ATE   | Acute Toxicity Estimate   |
| CLP   | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                       |
| EC50  | Median effective concentration  |
| IATA  | International Air Transport Association   |
| IMDG  | International Maritime Dangerous Goods  |
| LC50  | Median lethal concentration   |
| LD50  | Median lethal dose  |
| PBT   | Persistent Bioaccumulative Toxic  |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID   | Regulations concerning the International Carriage of Dangerous Goods by Rai                       |
| vPvB  | Very Persistent and Very Bioaccumulative  |

Full text of H- and EUH-statements:

|                     |  |
|---------------------|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4  |
| Eye Dam. 1          | Serious eye damage/eye irritation, Category 1  |
| Eye Irrit. 2        | Serious eye damage/eye irritation, Category 2  |
| Flam. Liq. 2        | Flammable liquids, Category 2  |
| Met. Corr. 1        | Corrosive to metals, Category 1  |
| Skin Corr. 1        | Skin corrosion/irritation, Category 1  |
| Skin Corr. 1A       | Skin corrosion/irritation, Category 1A   |
| Skin Irrit. 2       | Skin corrosion/irritation, Category 2  |
| STOT RE 2           | Specific target organ toxicity — Repeated exposure, Category 2                             |
| STOT SE 3           | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| STOT SE 3           | Specific target organ toxicity — Single exposure, Category 3, Narcosis                     |
| H225                | Highly flammable liquid and vapour   |

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|      |   |
|------|---|
| H290 | May be corrosive to metals  |
| H302 | Harmful if swallowed  |
| H314 | Causes severe skin burns and eye damage                           |
| H315 | Causes skin irritation  |
| H318 | Causes serious eye damage   |
| H319 | Causes serious eye irritation                                     |
| H335 | May cause respiratory irritation                                  |
| H336 | May cause drowsiness or dizziness                                 |
| H373 | May cause damage to organs through prolonged or repeated exposure |

SDS EU (Reach Annex II) GREEN

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*