Machine Detergent

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

**1.1 - Product identifier**

Trade name/designation Machine Detergent Chemical name

Product-type Mixture

Product code 14979

**1.2 - Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses

- PC35: Washing and cleaning products

(including solvent based products).

**1.3 - Details of the supplier of the safety data sheet**

Bidfood

814 Leigh Road SL1 4BD Slough

Telephone : +44 (0) 1494 55 5900

+44 (0) 1494 55 5900 advice\_centre@bidfood.co.uk

**1.4 - Emergency telephone number**

United Kingdom: +44 (0) 1494 55 5900

**SECTION 2: Hazards identification**

**2.1 - Classification of the substance or mixture**

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

|  |  |
| --- | --- |
| Skin Corr. 1A | Skin corrosion, Category 1A |
| Eye Dam. 1 | Serious eye damage, Category 1 |

**2.2 - Label elements**

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

Contains: sodium hydroxide (CAS No.: 1310-73-2)

Signal word

Hazard pictograms

:

Danger

Hazard statements

|  |  |
| --- | --- |
| H314 | Causes severe skin burns and eye damage |
| Precautionary statements |

|  |  |
| --- | --- |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P264 | Wash hands thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P330+P331 | IF SWALLOWED: rinse mouth. Do NOT induce vomiting. |

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|  |  |
| --- | --- |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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 doctor. |
| P363 | Wash contaminated clothing before reuse. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container to an appropriate recycling or disposal facility in accordance with local/regional/national regulation. |
| EUH-phrases : None |

**2.3 - Other hazards**

PBT-substance.

- This substance does not meet the PBT/vPvB criteria of

REACH, Annex XIII.

**SECTION 3: Composition / information on ingredients**

**3.1 - Substances**

Not applicable

**3.2 - Mixtures**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Chemical name | No | % | Class(es) | Specific concentration limit |
| sodium hydroxide | CAS No. : 1310-73-2 Index No. : 011-002-00-6 EC No. : 215-185-5 | < 10 | Eye Dam. 1 - H318 Skin Corr. 1A - H314 | Not applicable |
| trisodium nitrilotriacetate | CAS No. : 5064-31-3 Index No. : 607-620-00-6 EC No. : 225-768-6 | 0 - 5 | Acute Tox. 4 Oral - H302 Carc. 2 - H351Eye Irrit. 2 - H319 | Carc. 2 - H351 : 5>=%<=100 |

**SECTION 4: First aid measures**

**4.1 - Description of first aid measures**

Following inhalation

* Provide fresh air.
* When in doubt or if symptoms are observed, get medical advice.

Following skin contact

* After contact with skin, wash immediately with plenty of water

and soap.

* Remove contaminated, saturated clothing immediately.
* In case of skin reactions, consult a physician.

After eye contact

- In case of contact with eyes flush immediately with plenty of

flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

- If accidentally swallowed rinse the mouth with plenty of water

(only if the person is conscious) and obtain immediate medical attention.

**4.2 - Most important symptoms and effects, both acute and delayed**

Symptoms and effects - Following inhalation

- There may be irritation of the throat with a feeling of

tightness in the chest.

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Symptoms and effects - Following skin contact - Causes skin irritation.

Symptoms and effects - After eye contact - Serious eye damage/eye irritation

Symptoms and effects - After ingestion

- There may be soreness and redness of the mouth and

throat. Nausea and stomach pain may occur.

**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

* ABC-powder
* Carbon dioxide (CO2)
* Foam
* Extinguishing powder

Unsuitable extinguishing media - Full water jet

**5.2 - Special hazards arising from the substance or mixture**

Special hazards arising from the substance or - No information available. mixture

**5.3 - Advice for firefighters**

* Co-ordinate fire-fighting measures to the fire surroundings.
* Wear a self-contained breathing apparatus and chemical protective clothing.

**SECTION 6: Accidental release measures**

**6.1 - Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

* Use personal protection equipment.
* Wear breathing apparatus if exposed to vapours/dusts/aerosols.

For emergency responders - No information available.

**6.2 - Environmental precautions**

* Do not allow to enter into surface water or drains.
* Contain the spillage using bunding.
* Ensure waste is collected and contained.
* Small spillages can be rinsed away with plenty of water.

**6.3 - Methods and material for containment and cleaning up**

Methods and material for containment

* Soak up inert absorbent and dispose as waste requiring

special attention.

* Clear spills immediately.

Methods and material for cleaning up

* Absorb with liquid-binding material (sand, diatomaceous

earth, acid- or universal binding agents).

* Clear contaminated areas thoroughly.

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Inappropriate techniques - No information available.

**6.4 - Reference to other sections**

* Disposal: see section 13
* Personal protection equipment: see section 8

**SECTION 7: Handling and storage**

**7.1 - Precautions for safe handling**

Recommendation

* It is recommended to design all work processes always so

that the following is excluded: Eye contact

* It is recommended to design all work processes always so that the following is excluded: Skin contact
* Avoid:Eye contact
* Avoid:Skin contact
* Ensure adequate ventilation
* Use personal protective equipment.

Advices on general occupational hygiene

* Avoid contact with skin, eyes and clothes.
* Wash contaminated clothing prior to re-use.
* Wash hands before breaks and after work.
* When using do not eat, drink, smoke, sniff.
* Work in well-ventilated zones or use proper respiratory protection.

**7.2 - Conditions for safe storage, including any incompatibilities**

* Store in a place accessible by authorized persons only.
* Keep away from: Food and feedingstuffs
* Only use containers specifically approved for the substance/product.

**7.3 - Specific end use(s)**

**SECTION 8: Exposure controls/personal protection**

**8.1 - Control parameters**

**8.2 - Exposure controls**

Appropriate engineering controls - Ensure there is sufficient ventilation

Individual protection measures, such as personal - Eye protection protective equipment

* Protective Clothing
* Protective gloves

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**SECTION 9: Physical and chemical properties**

**9.1 - Information on basic physical and chemical properties**

|  |  |  |  |
| --- | --- | --- | --- |
| Physical state | Liquid | Appearance | Liquid |
| Colour | clear | Odour | odourless |

|  |  |
| --- | --- |
| Odour threshold | No data available |
| pH | 13 |
| Melting point | No data available |
| Freezing point | No data available |
| Boiling point | No data available |
| Flash point | No data available |
| Evaporation rate | No data available |
| flammability | No data available |
| Lower explosion limit | No data available |
| Upper explosion limit | No data available |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Relative density | No data available |
| Density | No data available |
| Solubility (Water) | Soluble in water. |
| Solubility (Ethanol) | No data available |
| Solubility (Acetone) | No data available |
| Solubility (Organic solvents) | No data available |
| Log KOC | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Kinematic viscosity | No data available |
| Dynamic viscosity | Non-viscous |

Particle characteristics

Particle size

No data available

**9.2 - Other information**

|  |  |
| --- | --- |
| VOC content | No data available |
| Minimum ignition energy | No data available |
| Conductivity | No data available |

**SECTION 10: Stability and reactivity**

**10.1 - Reactivity**

- This material is considered to be non-reactive under normal use conditions.

**10.2 - Chemical stability**

- The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3 - Possibility of hazardous reactions**

- No hazardous reaction when handled and stored according to provisions.

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**10.4 - Conditions to avoid**

* Avoid direct sunlight.
* Avoid excessive heat for prolonged periods of time.

**10.5 - Incompatible materials**

- Strong Acids and Oxidising Agents

**10.6 - Hazardous decomposition products**

- Does not decompose when used for intended uses.

**SECTION 11: Toxicological information**

**11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity - Not classified

Toxicity : Mixture

|  |  |  |
| --- | --- | --- |
|  | LD50 oral (rat) | No data available |
| LD50 dermal (rat) | No data available |
| LD50 dermal (rabbit) | No data available |
| LC50 inhalation (rat) | No data available |
| LC50 inhalation dusts and mists (rat) | No data available |
| LC50 inhalation vapours (rat) | No data available |

- Based on available data, the classification criteria are not met.

Skin corrosion/irritation - Skin corrosion, Category 1A - Causes severe skin burns and eye damage

- Corrosive.

Serious eye damage/eye

irritation

- Serious eye damage, Category 1

* Risk of serious damage to eyes.
* Causes serious eye irritation.
* Corrosive.

Respiratory or skin

sensitisation

- Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

**11.2 - Information on other hazards**

**SECTION 12: Ecological information**

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**12.1 - Toxicity**

Toxicity : Mixture

|  |  |
| --- | --- |
| EC50 48 hr crustacea | No data available |
| LC50 96 hr fish | No data available |
| ErC50 algae | No data available |
| ErC50 other aquatic plants | No data available |
| NOEC chronic fish | No data available |
| NOEC chronic crustacea | No data available |
| NOEC chronic algae | No data available |
| NOEC chronic other aquatic plants | No data available |

Toxicity : Substances

|  |
| --- |
| sodium hydroxide (1310-73-2) |
| EC50 48 hr crustacea | 156 mg/l |
| LC50 96 hr fish | 55.6 mg/l |

- The substance/mixture does not fullfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

**12.2 - Persistence and degradability**

|  |  |
| --- | --- |
| Biochemical oxygen demand (BOD) | No data available |
| Chemical oxygen demand (COD) | No data available |
| % of biodegradation in 28 days | No data available |

- No information available.

**12.3 - Bioaccumulative potential**

|  |  |
| --- | --- |
| Bioconcentration factor (BCF) | No data available |
| Log KOC | No data available |

- No indication of bioaccumulation potential.

**12.4 - Mobility in soil**

- No information available.

**12.5 - Results of PBT and vPvB assessment**

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

**12.6 - Endocrine disrupting properties**

**12.7 - Other adverse effects**

- No information available.

**SECTION 13: Disposal considerations**

**13.1 - Waste treatment methods**

Waste treatment methods - Dispose of waste according to applicable legislation.

Sewage disposal - No information available.

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Special precautions for waste treatment

* Waste for disposal is to be classified and labelled.
* Do not mix with other wastes.
* Consult the appropriate local waste disposal expert about waste disposal.

Community or national or regional provisions - No information available.

**SECTION 14: Transport information**

**14.1 - UN number or ID number**

UN number (ADR)

UN number (RID) UN number (ADN) UN number (IMDG) UN number (IATA)

:

:

:

:

:

UN1719

Not applicable Not applicable Not applicable Not applicable

**14.2 - UN proper shipping name**

UN proper shipping name

(ADR)

:

CAUSTIC ALKALI LIQUID, N.O.S.

**14.3 - Transport hazard class(es)**

ADR Transport hazard

class(es)

ADR Classification code: Pictograms

:

8

:

C5

Pictograms

**14.4 - Packing group**

Packing group : III

**14.5 - Environmental hazards**

Environmental hazards

Marine pollutant

:

:

No

No

**14.6 - Special precautions for user**

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**ADR**

ADR Classification code: ADR Special provisions ADR Limited quantity (LQ) ADR Excepted quantities ADR Packing instructions

ADR Special packing provisions ADR Mixed packing provisions

Instructions for portable tanks and bulk containers Special provisions for portable tanks and bulk containers ADR tank code

ADR tanks special provisions Vehicle for tank carriage

ADR Transport category ADR Tunnel restriction code

ADR Special provisions loading, unloading and handling Special provisions - Packages

Special provisions - Bulk Special provisions - Operation

ADR Hazard identification number (Kemler No.)

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C5

274

5L E1

P001 IBC03 R001

MP19

T7

TP1 TP28 L4BN

AT 3

E V12

80

**14.7 - Maritime transport in bulk according to IMO instruments**

**SECTION 15: Regulatory information**

**15.1 - Safety, health and environmental regulations/legislation specific for the substance or mixture**

Substances REACH

candidates

Substances Annex XIV Substances Annex XVII

None

None

None

VOC content No data available

**15.2 - Chemical Safety Assessment**

Chemical safety assessment carried - No information available. out for the product

**SECTION 16: Other information**

SDS versions

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Issue date | Author | Description of the amendments |
| 1 | 22/06/2022 |  |  |

Texts of the regulatory sentences

|  |  |
| --- | --- |
| Acute Tox. 4 Oral | Acute toxicity (oral) - Category 4 |
| Carc. 2 | Carcinogenicity - Category 2 |
| Eye Dam. 1 | Serious eye damage, Category 1 |
| Eye Irrit. 2 | Eye irritation - Category 2 |

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|  |  |
| --- | --- |
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H319 | Causes serious eye irritation |
| H351 | Suspected of causing cancer - state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard |
| Skin Corr. 1A | Skin corrosion, Category 1A |

**\*\*\* \*\*\* \*\*\***