

URBAN A 30

Code: 0 234 E

Material Safety Data Sheet compliant with Regulation (EC) 2015/830

Version 6.1.0

Revision: 13/10/16

Print Date : 01/03/18

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

1.1. Product identifier

Trade name **URBAN A 30**

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

Use of the product

**Alkaline with a strong complexing power
CLEANING OF MILKING EQUIPMENT**

1.3. Details of the supplier of the safety data sheet

Company identification

**URBAN GmbH & Co KG
D-27798 WÜSTING - Auf der Striepe 9
Tel : 0 44 84/9380-0**

1.4. Emergency telephone number

Emergency phone number

Call NHS 111 or a doctor

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture meets the classification criteria provided for under Regulation (EC) No 1272/2008.

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Skin corrosion - Category 1A

H314: Causes severe skin burns and eye damage.

Substance corrosive to metals - Category 1

1

H290: May be corrosive to metals.

Specific target organ toxicant - repeated exposure - Category 2

H373: May cause damage to respiratory tract through prolonged or repeated exposure (Inhalation).

2.2. Label elements

Labelling according to 1272/2008/EC Regulation:

Hazard pictograms(s) :



Signal word :

Danger

Contains : Potassium hydroxide+ Sodium hydroxide+ Ethylenediamine tetraacetic acid tetrasodium salt

Hazard statement(s) :

H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

H373: May cause damage to respiratory tract through prolonged or repeated exposure (Inhalation).

Precautionary statement(s) :

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 [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 POISON CENTER or doctor/physician.

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

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2.3. Other hazards

No additional information available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable as this involves a mixture.

3.2. Mixtures

Chemical nature of the mixture : Alkaline with a strong complexing power

Substance(s)	CAS number(s)	EINECS number(s)	No registration REACH	Classification according to Regulation 1272/2008/EC	Type
10% <= Sodium hydroxide < 30%	1310-73-2	215-185-5	01-2119457892-27	Skin Corr. 1A H314 Met. Corr. 1 H290	(1) (2)
10% <= Ethylenediamine tetraacetic acid tetrasodium salt < 15%	64-02-8	200-573-9	01-2119486762-27	Acute Tox. 4 (inhalation) H332 Acute Tox. 4 (oral) H302 Eye Dam. 1 H318 STOT RE 2 H373	(1)
2% <= Potassium hydroxide < 5%	1310-58-3	215-181-3	01-2119487136-33	Acute Tox. 4 (oral) H302 Skin Corr. 1A H314 Met. Corr. 1 H290	(1) (2)

Type

(1) : Substance classified as hazardous for health and/or the environment

(2) : Substance with an exposure limit at the work station.

Substance of very high concern candidate for the authorisation procedure:

(3) : Substance considered as PBT (persistent, bioaccumulable, toxic)

(4) : Substance considered as vPvB (very persistent, very bioaccumulable)

(5) : Substance considered as carcinogenic category 1A

(6) : Substance considered as carcinogenic category 1B

(7) : Substance considered as mutagenic category 1A

(8) : Substance considered as mutagenic category 1B

(9) : Substance considered as reprotoxic category 1A

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(10) : Substance considered as reprotoxic category 1B

(11) : Substance considered as endocrine disrupter

Full text of H- and EUH- phrases : see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General indications:

Take the contaminated clothes and shoes off immediately. Wash them before wearing them again.
In case of faintness , get medical advice/attention. Show this safety data sheet to the doctor.

In the event of inhalation :

Bring to fresh air.
Put into practice respiratory help procedure if needed and get medical advice immediately.

In the event of contact with the skin :

Wash immediately with plenty of water for 15 minutes at least.
Immediately call a POISON CENTER or doctor/physician.

In the event of contact with the eyes :

Rinse at once with a soft stream of water for at least 15 minutes, eyes wide open.
Remove contact lenses if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.

In the event of ingestion :

Rinse mouth.
Do NOT induce vomiting.
Send to hospital.

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

Skin contact : Corrosive : Causes severe burns.

Eye contact : Causes serious eye damage.

Ingestion : Causes severe burns in mouth and digestive tract.
Risk of perforating digestive tracts.

Inhalation : Aerosols can induce respiratory tracts irritation.
May cause damage to respiratory tract through prolonged or repeated exposure.

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

Treatments : Symptomatic treatment

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media :

Agents compatible with other products involved into fire.

Unsuitable extinguishing media :

None from our knowledge.

5.2. Special hazards arising from the substance or mixture

URBAN A 30 is non-flammable.

However, in contact with certain metals (aluminium, zinc...), release of flammable and/or explosive hydrogen if ignited.

Risk nitrogen oxide emission (Nox) in the event of fire.

5.3. Advice for firefighters

Wear independent respiratory equipment and protective suit.

Collect contaminated firefighting water separately, must not be discharged into the drains.

Keep containers cool by spraying with water if exposed to fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel :

Evacuate non-essential staff and those not equipped with individual protection apparatus.

6.1.2. For emergency responders :

Evacuate the personnel to a safe location.

Keep people upwind and away from the location of the flow/leak.

Use personal protection equipment.

6.2. Environmental precautions

Intervention limited to trained staff.

Do not discharge the product directly to sewer or to environment.

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Take as soon as possible all incompatible materials away.

6.3. Methods and material for containment and cleaning up

Small spillage :

Wash with plenty of water.

Large spillage :

Mark out, soak up with an inert absorbant and pump in an emergency tank.

Never return spills in original containers for re-use.

Keep in suitable, properly labelled and closed containers for disposal.

6.4. Reference to other sections

Respect protective measures presented at heading 8.

Refer to section 13 for the elimination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin, eyes and clothing.

Do not eat, drink or smoke in work area. Avoid projections during use.

Do not mix with an acid.

Take off immediately all contaminated clothing.

Do not mix with strong oxidizing agents.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Storage :

Keep only in the original container.

Keep container closed.

Keep in a clean and dry place.

Keep away from products sensitive to alkalis.

7.2.2. Packaging or wrapping materials :

High density polyethylene recommended.

7.3. Specific end use(s)

No other recommendation.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Exposure limit values :

Substance	Country	Type	Value	Unit	Comments	source
Potassium hydroxide	GBR	OEL Short term	2	mg/m ³		International limit values for chemical agents
Sodium hydroxide	GBR	OEL Short term	2	mg/m ³		International limit values for chemical agents

8.2. Exposure controls

According to the requirements of Directive 98/24 /EC, the employer is required to conduct a risk assessment and implement appropriate risks management measures.

* For any situation where the absence of risk is not proven, he must consider the substitution or reduction of risk by improving in priority processes used and collective protection measures. The effectiveness of the solutions implemented will be checked by measurement in comparison to the statutory limit values for substances defined in Section 8.1.

* If the risk remains after these corrective actions, he must always check by routinely measuring compliance with regulatory OEL if they exist in section 8.1 and apply all the individual protective measures given in section 8.2.

* When formalized risk assessment indicates a low risk to workers' health, control of compliance with regulatory OEL may not be considered and all individual protection measures is not always mandatory.

8.2.1. Appropriate engineering controls :

Ensure adequate ventilation.

Apply the necessary technical measures to comply with the professional exposure limit values.

8.2.2. Individual protection measures, such as personal protective equipment :

Eye/face protection :

Use safety glasses or facial screen in conformity with the EN 166 standard.



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Hand protection :

Use chemical resistant gloves approved to EN 374.

Examples of preferred materials for insulating gloves:

Butyl rubber.

Nitril.

Neoprene.

PVC

Do not wear polyvinyl alcohol (PVA) gloves.



Skin protection :

Wear boots and a protective cloth with chemical resistance.



Respiratory protection :

None under normal conditions of use.

Thermal hazards :

Not applicable

Health measures :

Safety shower and eye wash fountain near to workplace.

After using, wash systematically all personal protective equipment.

Handle in accordance with good industrial hygiene practices and the safety instructions.

8.2.3. Environmental exposure controls :

Do not discharge the product directly to sewer or to environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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Appearance	Opalescent to very opalescent liquid
Colour	Yellowish
Odour	Odourless
Odour threshold	Not available
Pure pH	Not available
pH value at 10g/l	12.7±0.2
Freezing point :	-10 °C
Boiling point	> 100 °C
Flash point	Not applicable
Evaporation rate:	Not available
Flammability	Not applicable
Vapour pressure	Not available
Vapour density	Not available
Mass density	1.3±0.03 g/cm ³
Relative density	1.3±0.03
Solubility in water	Soluble in water in all proportions
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not applicable
Oxidising properties	Not applicable

9.2. Other information

No additional information.

SECTION 10: Stability and reactivity

10.1. Reactivity

Hazards linked to exothermic reactions.

10.2. Chemical stability

Stable in the recommended storage and handling conditions.

10.3. Possibility of hazardous reactions

Exothermic reactions with acids.

Exothermic reactions with strong oxidizing agents.

10.4. Conditions to avoid

None to our knowledge.

10.5. Incompatible materials

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Acids.

Strong oxidizing agents.

Light metals and/or colored.

10.6. Hazardous decomposition products

In contact with certain metals (aluminium, zinc...), release of flammable and/or explosive hydrogen if ignited.

Risk nitrogen oxide emission (Nox) in the event of fire.

These data are given for the concentrated mixture. The use of the mixture under its diluted form must be performed in conformity with data given by the technical data sheet and the technical adviser.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance-related data:

Acute toxicity

Potassium hydroxide : LD 50 - oral rat (OECD 425): 333 - 388 mg/kg bw. Harmful if swallowed. - MSDS supplier

Ethylenediamine tetraacetic acid tetrasodium salt : LD 50 - oral rat 1,780 mg/kg. - MSDS supplier

Ethylenediamine tetraacetic acid tetrasodium salt : LC 50 - inhalation - 4h rat 1.5 mg/L. - MSDS supplier

Sodium hydroxide (50%) : Oral . The oral DL50 has not been determined given the corrosiveness of the substance. - MSDS supplier

Sodium hydroxide (50%) : Dermal route . The dermal DL50 has not been determined given the corrosiveness of the substance. - MSDS supplier

Skin corrosion/irritation

Sodium hydroxide (50%) : Cutaneous contact rat . Corrosive to the skin - MSDS supplier

Ethylenediamine tetraacetic acid tetrasodium salt : Skin irritation (OECD 404): . non irritating - MSDS supplier

Potassium hydroxide (50%) : Skin irritation . Causes severe burns. - MSDS supplier

Serious eye damage/eye irritation

Sodium hydroxide (50%) : Eye contact : . corrosive to the eyes - MSDS supplier

Potassium hydroxide (50%) : Eye irritation . Risk of serious damage of eyes - MSDS supplier

Ethylenediamine tetraacetic acid tetrasodium salt : Eye contact : . Can induce serious ocular damages or even irreversibles - MSDS supplier

Respiratory tracts irritation

Sodium hydroxide (50%) : Respiratory tracts irritation . Fog inhalation is irritant for respiratory tract - MSDS supplier

Sensitisation

Ethylenediamine tetraacetic acid tetrasodium salt : Sensitisation guinea-pig (OECD 406): . Not sensitising - The

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product has not been tested. The information comes from structure or analogue composition products. - MSDS supplier

Potassium hydroxide : Skin sensitisation - 24h monkey . Not sensitising - MSDS supplier

Mutagenicity

Ethylenediamine tetraacetic acid tetrasodium salt : Micronucleus test (OECD 474): . Negative - Based on cross reading (N-(2-Hydroxyethyl)ethylenediaminetriacetic acid and trisodium salt)

Ethylenediamine tetraacetic acid tetrasodium salt : Lymphoma test mouse (OECD 476): . Negative - Based on cross reading (N-(2-Hydroxyethyl)ethylenediaminetriacetic acid and trisodium salt)

Ethylenediamine tetraacetic acid tetrasodium salt : Chromosomal aberration test (OECD 473): . Negative - Based on cross reading (N-(2-Hydroxyethyl)ethylenediaminetriacetic acid and trisodium salt)

Ethylenediamine tetraacetic acid tetrasodium salt : Ames test (OECD 471): . Negative - Based on cross reading (N-(2-Hydroxyethyl)ethylenediaminetriacetic acid and trisodium salt)

Sodium hydroxide : . Not mutagenic - MSDS supplier

Potassium hydroxide : (OECD 471): . Negative - MSDS supplier

Carcinogenicity

Sodium hydroxide : mouse . Not carcinogenic - MSDS supplier

Mix-related data:

Acute toxicity

. Not determined

Skin corrosion/irritation

Skin corrosivity . The mixture should be considered as corrosive because of its extreme pH.

Serious eye damage/eye irritation

Ocular corrosivity . Causes serious eye damage according to the criteria of Regulation 1272/2008/EC.

Respiratory or skin sensitisation

Skin sensitisation . The mixture is not considered as a skin sensitizer according to 1272/2008/EC Regulation.

Respiratory sensitization . The mixture is not considered as a respiratory sensitizer according to 1272/2008/EC Regulation.

Mutagenicity

. The classification criteria are not met given the available data.

Carcinogenicity

. The classification criteria are not met given the available data.

Reproductive toxicity

. The classification criteria are not met given the available data.

Specific target organ toxicity - single exposure

. The classification criteria are not met given the available data.

Specific target organ toxicity - repeated exposure

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. May cause damage to respiratory tract through prolonged or repeated exposure (Inhalation) (STOT-RE Cat. 2).

Aspiration hazard

. The classification criteria are not met given the available data.

Most important symptoms and effects, both acute and delayed :

Skin contact : Corrosive : Causes severe burns.

Eye contact : Causes serious eye damage.

Ingestion : Causes severe burns in mouth and digestive tract.
Risk of perforating digestive tracts.

Inhalation : Aerosols can induce respiratory tracts irritation.
May cause damage to respiratory tract through prolonged or repeated exposure.

SECTION 12: Ecological information

12.1. à 12.4. Toxicity - Persistence and degradability - Bioaccumulative potential - Mobility in soil

Substance-related data:

Acute toxicity

Sodium hydroxide : LC 50 - 96 h fishes (Gambusia affinis) 35 - 189 mg/L. - MSDS supplier

Ethylenediamine tetraacetic acid tetrasodium salt (40%) : EC 20 - 30 min bacterias (OECD 209); > 500 mg/L. - The product has not been tested. The information comes from structure or analogue composition products. - MSDS supplier

Ethylenediamine tetraacetic acid tetrasodium salt : EC 50 - 48h daphnia (Daphnia magna) > 100 mg/L. - The product has not been tested. The information comes from structure or analogue composition products. - MSDS supplier

Ethylenediamine tetraacetic acid tetrasodium salt : LC 50 - 96h fishes (Lepomis macrochirus) > 100 mg/L. - The product has not been tested. The information comes from structure or analogue composition products. - MSDS supplier

Potassium hydroxide : LC 50 - 24h fishes 80 mg/L. - MSDS supplier

Ethylenediamine tetraacetic acid tetrasodium salt : EC 50 - 72h Aquatic species > 100 mg/L. - MSDS supplier

Degradability

Sodium hydroxide (50%) : Biodegradability aerobic . Not applicable - MSDS supplier

Sodium hydroxide (50%) : Biodegradability anaerobic . Not applicable - MSDS supplier

Sodium hydroxide (50%) : Half life air 13 seconds. Degradation product = sodium carbonate - MSDS supplier

Sodium hydroxide (50%) : water. . Instantaneous ionization; Degradation products : salts - MSDS supplier

Sodium hydroxide (50%) : soil . Ionization / neutralization - MSDS supplier

Ethylenediamine tetraacetic acid tetrasodium salt : Biodegradability . Not easily biodegradable - MSDS supplier

Bioaccumulation

Sodium hydroxide (50%) : . Not applicable - MSDS supplier

Ethylenediamine tetraacetic acid tetrasodium salt (40%) : . Not bioaccumulative considering that BCF<100 and log Pow<3 - MSDS supplier

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Mobility

Sodium hydroxide (50%) : air . Instantaneous degradation - MSDS supplier

Sodium hydroxide (50%) : water. . Important solubility and mobility - MSDS supplier

Sodium hydroxide (50%) : soil/sediments . Important solubility and mobility; Contamination of ground water in case of rain
- MSDS supplier

Mix-related data:

Acute toxicity

fishes . Not determined

daphnia . Not determined

algae . Not determined

CHRONIC TOXICITY

. No data available.

Degradability

. The surface agents contained in this mix are in line with the requirements of the Detergent Regulation 648/2004/EC.

Bioaccumulation

. No data available.

Mobility

. No data available.

Conclusion :

The mixture is not considered to be dangerous for the environment according to 1272/2008/EC Regulation.

12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

12.6. Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Treatment of the mixture :

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Do not discharge the product directly to sewer or to environment.
Comply with Directive 2008/98/EC of 19/11/2008 amended, relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2014/955/EC) that establishes a list of hazardous waste that must be taken to an approved centre.

Packaging treatment :

Rinse thoroughly the packaging with water and treat the effluent like wastes.
Comply with Directive 2008/98/EC of 19/11/2008 amended, relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2014/955/EC) that establishes a list of hazardous waste that must be taken to an approved centre.

SECTION 14: Transport information

ROAD TRANSPORT:

Rail/Route (RID/ADR)

UN no : 1719

UN proper shipping name : CAUSTIC ALKALINE LIQUID, N.O.S. (Potassium hydroxide+Sodium hydroxide)

Class : 8

Packing group : II

Hazard code : 80

Label : 8



Tunnel code : E

Environmental hazard : No

Special precautions for user : No information.

MARITIME TRANSPORT :

IMDG

UN no : 1719

UN proper shipping name : CAUSTIC ALKALINE LIQUID, N.O.S. (Potassium hydroxide+Sodium hydroxide)

Class : 8



Packing group : II

Marine pollutant : No

Special precautions for user : No information.

EmS number : F-A, S-B

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code :

Not concerned

SECTION 15: Regulatory information

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

Regulations relating to the hazards from major accidents :

SEVESO 3 Directive (2012/18/EC) : Not concerned

Regulations relating to the classification, packing and labelling of substances and mixes :

Regulation 1272/2008/EC amended.

Waste regulations :

2008/98/EC Directive amended by 2015/1127/EC Directive - Regulation 1357/2014/EC

Decision 2014/955/EC which establishes the list of hazardous waste.

Protection of workers :

Directive 98/24/EC of 07/04/1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation 850/2004/EC on persistent organic pollutants and modifying Directive 79/117/EC : Not applicable

Regulation 1005/2009/EC amended on substances that deplete the ozone layer : Not applicable

Regulation (EC) 648/2004 :

In conformity with the regulation in force on detergents: Regulation (EC) N° 648/2004.

Ingredient datasheet for the medical staff is available upon written request.

Contains :

5-15% EDTA and salts thereof

< 5% Polycarboxylates

Comply with national and local legislation.

15.2. Chemical safety assessment

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No

SECTION 16: Other information

The safety data sheet is additional to the technical data sheet but does not replace it. The information given here in is to the best of our knowledge correct and is given in good faith. We must also draw the user's attention on potential risks of the product is used for other purposes for which the product is known.

In no way does it exempt users from being aware of and complying with regulations applicable to their activity. It is their sole responsibility to take all necessary precautions in accordance to the usage of the product they are aware of.

Regulations are only stated in order to help users fulfill the duties involved in the use of the product.

This description should not be considered as exhaustive. It does not exempt users from ensuring if other demands need to be complied with-according to other laws than the ones hereby stated and applicable to holding and usage of the product-demands for which they will remain sole responsibility.

Section(s) modified compared with the previous version :

SECTION 2: Hazards identification;SECTION 3: Composition/information on ingredients;SECTION 4: First aid measures;SECTION 11: Toxicological information;SECTION 15: Regulatory information

List of H phrases referred to in sections 2 and 3 :

- H290 : May be corrosive to metals.
- H302 : Harmful if swallowed.
- H314 : Causes severe skin burns and eye damage.
- H318 : Causes serious eye damage.
- H332 : Harmful if inhaled.
- H373 : May cause damage to organs through prolonged or repeated exposure.

Sources of key data used to compile the data sheet :

MSDS supplier
International limit values for chemical agents

Historical :

Version 6.1.0
Cancels and replaces previous version 6.0.

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