

SAFETY DATA SHEET

[In accordance with the criteria of Regulation No 1907/2006 (REACH) and 453/2010]

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

1.1 Product identifier

ULTRON UNI PLUS Concentrate; preparation for washing non-ferrous metals, steel and aluminum

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

Relevant identified uses: industrial, for removing all types of contamination, especially those of oil origin, from machines and devices, production details also made of aluminum alloys. It can also be used for washing oxygen devices; after the washing process, the cleanliness of the surface regarding the presence of hydrocarbon contaminations should be inspected. For professional use only.

Uses advised against: not determined.

1.3 Details of the supplier of the safety data sheet

Manufacturer: **ULTRON Zakład Urządzeń Elektronicznych**

Address: 11-001 Dywity ul.Olsztyńska 66, Polska

Telephone/Fax number: +48 89 511 91 61/+ 48 89 511 91 62

Email: chemia@ultron.pl

Email address for a competent person responsible for sds: biuro@theta-doradztwo.pl

1.4 Emergency telephone number

112

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Human health hazards

Product is not classified as dangerous for human.

Environmental effects

Product is not classified as dangerous for environment.

Physicochemical adverse effects

None.

2.2 Label elements

Hazard symbols

None.

Substance name for labeling

None.

Risk phrases

None.

Safety phrases

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.

Additional information

Safety data sheet available on request for professional users.

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2.3 Other hazards

No information whether the substance or mixture meets criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation. Suitable researches were not conducted.

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

amines, coco alkyldimethyl, N-oxides

Range of percentages: < 2%
 CAS number: 61788-90-7
 EC number: 263-016-9
 Registration number: substance comes under the law of temporary period
 Classification acc. to 67/548/EEC: **Xi** R38-41, **N** R50
 Classification acc. to 1272/2008/EC: Skin Irrit. 2 H315, Eye Dam. 1 H318, Aquatic. Acute 1 H400

isotridecanol, ethoxylated

Range of percentages: < 2%
 CAS number: 69011-36-5
 EC number: -
 Registration number: substance comes under the law of temporary period
 Classification acc. to 67/548/EEC: **Xn** R22, **Xi** R41
 Classification acc. to 1272/2008/EC: Acute Tox. 4 H302, Eye Dam. 1 H318

tetrapotassium pyrophosphate

Range of percentages: < 4%
 CAS number: 7320-34-5
 EC number: 230-785-7
 Registration number: substance comes under the law of temporary period
 Classification acc. to 67/548/EEC: **Xi** R36
 Classification acc. to 1272/2008/EC: Eye Irrit. 2 H319

Full text of each relevant R and H phrase is given in section 16 of SDS.

Section 4: First aid measures

4.1 Description of first aid measures

General information: consult a doctor if symptoms persist. Never give anything by mouth to an unconscious person. The physician should show this MSDS, container or label.

Skin contact: consult a doctor if necessary. Take off contaminated clothes. Wash out skin with water and soap. Do not use solvents. Wash clothing before reuse. Put a sterile dressing.

Eye contact: seek medical advice if necessary. Remove any contact lenses, protect non-eye. Wash out with plenty of water with the eyelid hold wide open, for 10-15 min. Avoid strong stream of water – risk of damage of the cornea. Do not use eye drops or ointment of any type of the researching advice from your doctor or ophthalmologist.

Ingestion: call a doctor immediately, show the label or container. Do not induce vomiting. Rinse mouth with water, drink a lot of water. Never give anything by mouth to an unconscious person.

Inhalation: consult a doctor, if symptoms persist. Remove a victim to fresh air, keep warm and calm.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: possible redness, dryness, cracking, degreasing.

Eye contact: possible redness, light irritating, lacrimation.

After swallowing: possible stomach ache, vomiting, nausea, diarrhea.

After inhalation: high concentration vapours may cause irritation of mucous membranes of the eyes and respiratory tract, tearing, redness, conjunctivitis, cough, burning sensation in the throat and nose.

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4.3 Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: extinguishing media adapt to materials in surroundings.

Unsuitable extinguishing media: water jet – risk of the propagation of the flame.

5.2 Special hazards arising from the substance or mixture

May produce toxic and corrosive fumes and gases of carbon and phosphor oxides if burning. Do not inhale combustion products.

5.3 Advice for firefighters

Protection typical in case of fire. Wear personal protection typical in case of fire. Wear suitable respiratory equipment. Cool container from a safe distance with water spray.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. In case of large spills, isolate the exposed area. Wear adequate personal protective equipment. Avoid skin and eyes contamination. Ensure adequate ventilation of area. Do not inhale vapours.

6.2 Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

6.3 Methods and material for containment and cleaning up

Soak up with liquid-binding material (e.g. sand, universal binding agent, diatomaceous earth). Collect spilled material in containers. Disposal in accordance with the local legislation. Clean the contaminated place.

6.4 Reference to other sections

Appropriate conduct with waste product – see section 13.
Personal protective equipment – see section 8.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. When using do not eat, drink or smoke. Wear adequate personal protective equipment. Avoid skin and eyes contamination. Before break and after work wash hands carefully. Unused containers keep tightly closed. Ensure adequate ventilation of area, where the product is used. Do not inhale vapours.

7.2 Conditions for safe storage, including any incompatibilities

Keep in original containers, tightly closed in dry and cool place. Do not store together with acids, combustible products and strong oxidizers. Keep away from food, beverages or feed for animals. Ensure good ventilation. After opening the sealed container and stored in an upright position to avoid leakage. Store at temperatures above 5 ° C.

7.3 Specific end use(s)

Product for removing all types of contamination, especially those of oil origin, from machines and devices, production details also made of aluminum alloys. It can also be used for washing oxygen devices; after the washing process, the cleanliness of the surface regarding the presence of hydrocarbon contaminations should be inspected. For professional use only.

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Section 8: Exposure controls/personal protection

8.1 Control parameters

Product does not contain any components with occupational exposure limit values at working place at the Community level.

Legal Basis: Commission directive 2000/39/EC.

Please check also any national occupational exposure limit values in your country.

8.2. Exposure controls

Use the product in accordance with good occupational hygiene and safety practices. When handling do not eat, drink or smoke. Before break and after work carefully wash hands. Ensure adequate ventilation.

Hand and body protection

Wear protective gloves. Use barrier cream. Wear protective clothes.

The material that the gloves are made of must be impenetrable and resistant to the product's effects. The selection of material must be performed with consideration of breakthrough time, penetration speed and degradation. Moreover, the selection of proper gloves depends not only on the material, but also on other quality features and changes depending on the manufacturer. The producer should provide detailed information regarding the exact breakthrough time. This information should be followed.

Eye/face protection

Wear protective goggles if risk of contamination.

Respiratory protection

Not required under normal use.

Personal protective equipment must meet requirements of directive 89/686/CE. Employer is obliged to ensure equipment adequate to activities carried out, with quality demands, cleaning and maintenance.

Environmental exposure controls

Do not allow the large quantities of mixture to contaminate surface water/ground water. Any emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

physical state/appearance:	liquid
colour:	colorless
odour:	characteristic
odour threshold:	not determined
pH:	8,5-9,5
melting point/freezing point:	not determined
initial boiling point and boiling range:	not determined
flash point:	not determined
evaporation rate:	not determined
flammability (solid, gas):	not applicable
upper/lower flammability or explosive limits:	not determined
vapour pressure:	not determined
vapour density:	not determined
relative density:	1,05-1,06 g/cm ³
solubility(ies):	soluble in water
partition coefficient: n-octanol/water:	not determined
auto-ignition temperature:	not determined
decomposition temperature:	not determined
explosive properties:	not display
oxidising properties:	not display
viscosity:	not determined

9.2 Other information

No additional data.

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Section 10: Stability and reactivity

10.1 Reactivity

Product will not undergo hazardous polymerization. See also 10.3-10.5.

10.2 Chemical stability

The product is stable under normal conditions.

10.3 Possibility of hazardous reactions

Do not known.

10.4 Conditions to avoid

Avoid temperatures below 5°C. Avoid direct sunlight.

10.5 Incompatible materials

Strong oxidizing agents, strong acids, combustible products.

10.6 Hazardous decomposition products

Not known.

Section 11: Toxicological information

11.1 Information on toxicological effects

Information regarding acute and/or delayed results of the exposure was defined on the basis of the information on product's classification and/or toxicological studies as well as the experience and knowledge of the manufacturer.

Acute toxicity

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

Irritation

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

Corrosivity

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

Sensitisation

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

Repeated dose toxicity

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

Carcinogenicity

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

Mutagenicity

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

Toxicity for reproduction

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

Section 12: Ecological information

12.1 Toxicity

Product is not dangerous to environment.

12.2 Persistence and degradability

Product is 95% biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation is not expected.

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12.4 Mobility in soil

Product is mobile in soil and water.

12.5 Results of PBT and vPvB assessment

Not applicable.

12.6 Other adverse effects

This product has no influence on the global warming or the ozone layer depletion.

Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal methods for the product: disposal in accordance with the local legislation. Store remaining in original containers. Do not mixture with other wastes.

Disposal methods for used packing: reuse/recycling/liquidation of empty containers dispose in accordance with the local legislation. Treat uncleanable containers like of the product. Disposable containers send to utilization.

Legal basis: Directive 2008/98/EC, 94/62/EC.

Section 14: Transport information

14.1 UN number

Not applicable – product is not dangerous during transport.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Product is not dangerous for environment according to transport regulations.

14.6 Special precautions for user

Not applicable.

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

Not applicable.

Section 15: Regulatory information

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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance).

Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labeling of dangerous substances.

Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.

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Commission Regulation (EC) No 790/2009 of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (Text with EEA relevance).

Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Text with EEA relevance).

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

15.2 Chemical safety assessment

There is no data concerning chemical safety assessment performed for substances contained in the mixture.

Section 16: Other information

Full text of indicated R and H phrases mentioned in section 3

R22	Harmful if swallowed.
R36	Irritating to eyes.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.

Clarification of aberrations and acronyms

Acute Tox. 4	Acute toxicity 4
Aquatic Acute 1	Hazardous to the aquatic environment 1
Skin Irrit. 2	Skin irritation 2
Eye Dam. 1	Serious eye damage 1
Eye Irrit. 2	Eye irritation 2
PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	Very Persistent, very Bioaccumulative substance

Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training.

Other data

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Composed by:	mgr Anna Michalska-Maciejczyk (on the basis of producer's data).
Safety Data Sheet made by:	„THETA” Doradztwo Techniczne

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.