Printing date 21.09.2021 Version: 6 (replaces version 5) Revision: 21.09.2021

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

- · 1.1 Product identifier
- · Trade name: WELD CLEAN RTU
- · Article number: 94190002
- · **UFI:** 1TM5-E0TN-M00G-F40X
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against
- · Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

- **Product category** PC35 Washing and cleaning products (including solvent based products)
- · Application of the substance / the mixture Cleaning agent
- · 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEP İTALIA SRL

Piazzale Luigi Cadorna, 2

20123 Milano (MI) - Italy;

Via Nettunense Km. 25.000

04011 Aprilia (LT) - Italy

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· Further information obtainable from:

Customer Service

NL: Tel: +31 164 250 100 Fax: +31 164 266 710 B: Tel: +32 2 347 0117 Fax: +32 2 347 1395 IT: Tel: +39 069 266 91Fax: +39 06.927 470 61 UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

· 1.4 Emergency telephone number:

NHS +44 0845 46 47 (England or Wales); +44 08454 24 24 24 (Scotland)

emergency number (europe): 112

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

Eye Dam. 1 H318 Causes serious eye damage.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)

(Contd. of page 1)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 21.09.2021 Version: 6 (replaces version 5) Revision: 21.09.2021

Trade name: WELD CLEAN RTU

· Hazard pictograms



· Signal word Danger

Hazard-determining components of labelling:

Alcohols, C12-15-branched and linear, ethoxylated

Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)

· Hazard statements

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P273 Avoid release to the environment. P280 Wear eye protection / face protection.

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/doctor.

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

2.3 Other hazards The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds.

- · Results of PBT and vPvB assessment
- · **PBT**: Not applicable. · **vPvB**: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 106232-83-1 NLP: 500-294-5	Alcohols, C12-15-branched and linear,ethoxylated Eye Dam. 1, H318 Acute Tox. 4, H302 Aquatic Chronic 3, H412	≥2.5-<3%
EC number: 931-329-6 Reg.nr.: 01-2119490100-53-xxxx	Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl) Eye Dam. 1, H318 Aquatic Chronic 2, H411 Skin Irrit. 2, H315	≥1-<2.5%
CAS: 68424-85-1 EINECS: 270-325-2 Index number: 612-131-00-6 Reg.nr.: 01-2119965180-41-xxxx	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides Skin Corr. 1B, H314; Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1) Acute Tox. 4, H302	≥0.1-<0.25%

· Additional information:

Ingredients according to Detergents Regulation 648/2004/EC

-	_	_		
Nonionic surf	actants			<5%
Disinfectants,	Preservation	n agents (o	-PHENYLPHENOL, sodium 4(or 5)-methyl-1H-benzotriazolide), Perfumes	

· Additional Information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact:

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

- · After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing: If symptoms persist consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

(Contd. on page 3)

Printing date 21.09.2021 Version: 6 (replaces version 5) Revision: 21.09.2021

Trade name: WELD CLEAN RTU

(Contd. of page 2)

• 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

Carbon dioxide

Dry sand

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Do not inhale explosion gases or combustion gases.

Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:

No special measures required.

Do not allow product to reach sewage system or any water course.

Prevent seepage into sewage system, workpits and cellars.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, universal binders).

Use neutralising agent.

Dispose contaminated material as waste according to item 13.

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Open and handle receptacle with care.

Store in cool, dry place in tightly closed receptacles.

- · Information about fire and explosion protection: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

· Information about storage in one common storage facility:

Do not store together with oxidising and acidic materials.

Do not store together with alkalis (caustic solutions).

- · Further information about storage conditions: Keep receptacle tightly sealed.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- · Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Appropriate engineering controls No further data; see item 7.

(Contd. on page 4)

Printing date 21.09.2021 Version: 6 (replaces version 5) Revision: 21.09.2021

Trade name: WELD CLEAN RTU

(Contd. of page 3)

- · Individual protection measures, such as personal protective equipment
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

- Respiratory protection: Use suitable respiratory protective device when high concentrations are present.
- · Hand protection



Protective gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

- · Not suitable are gloves made of the following materials: Strong material gloves
- · Eye/face protection



Tightly sealed goggles

SECTION 9: Physical and chemical properties

- · 9.1 Information on basic physical and chemical properties
- · General Information

Physical state
Colour:
Codour:
Characteristic
Odour threshold:
Melting point/freezing point:
Boiling point or initial boiling point and boiling range
Flammability
Fluid
Light green
Characteristic
Not determined.
Undetermined.
100 °C
Not applicable.

· Flammability · Lower and upper explosion limit

· Lower: Not determined.
· Upper: Not determined.
· Flash point: Not applicable.

· Auto-ignition temperature: Product is not selfigniting.

• **Decomposition temperature:** Not determined.

· pH at 20 °C

Viscosity:

• Kinematic viscosity Not determined.
• Dynamic: Not determined.

Solubility

water: Fully miscible.
Partition coefficient n-octanol/water (log value)
Vapour pressure at 20 °C: Sample 23 hPa

· Vapour pressure at 20 °C: · Density and/or relative density

Density at 20 °C:
Relative density
Vapour density

1.003 g/cm³
Not determined.
Not determined.

- 9.2 Other information
- · Appearance:

· Form: Liquid

(Contd. on page 5)

Version: 6 (replaces version 5) Printing date 21.09.2021 Revision: 21.09.2021

Trade name: WELD CLEAN RTU

		(Contd. of page 4)
Important information on protection of health and		
environment, and on safety.		
Explosive properties:	Product does not present an explosion hazard. Not determined.	
Solvent content:		
Organic solvents:	1.1 %	
Swiss VOC:	0.33 %	
· Solids content:	0.3 %	
· Change in condition		
· Evaporation rate	Not determined.	
Information with regard to physical hazard classes		
Explosives	Void	
· Flammable gases	Void	
· Aerosols	Void	
· Oxidising gases	Void	
· Gases under pressure	Void	
· Flammable liquids	Void	
· Flammable solids	Void	
· Self-reactive substances and mixtures	Void	
· Pyrophoric liquids	Void	
· Pyrophoric solids	Void	
· Self-heating substances and mixtures	Void	
· Substances and mixtures, which emit flammable gases		
contact with water	Void	
· Oxidising liquids	Void	
Oxidising solids	Void	
· Organic peroxides	Void	
· Corrosive to metals	Void	
Desensitised explosives	Void	

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials:

Do not store together with oxidising and acidic materials.

Do not store together with alkalis (caustic solutions).

• 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity Based on available data, the classification criteria are not met.

	· LD/LC50 values relevant for classification:		
	ATE (A	Acute Toxicity Estimates)	
	Oral	LD50 19,608 mg/kg	
Ī	Amides	rs, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)	
	Oral	LD50 >2,000 mg/kg (Rat)	
Γ	CAS: 68424-85-1 Quaternary ammonium compounds, henzyl-C12-16-alkyldimethyl, chlorides		

68424-85-1 Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Oral LD50 344 mg/kg (Rat) Dermal LD50 3,340 mg/kg (Rabbit)

- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation

Causes serious eye damage.

- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.

(Contd. on page 6)

Printing date 21.09.2021 Version: 6 (replaces version 5) Revision: 21.09.2021

Trade name: WELD CLEAN RTU

(Contd. of page 5)

- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.
- · 11.2 Information on other hazards
- · Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12 1 Toxicity

12.1 Toxicity			
Aquatic toxicity:	· Aquatic toxicity:		
CAS: 106232-83-	CAS: 106232-83-1 Alcohols, C12-15-branched and linear,ethoxylated		
LC50 / 96 h	>10 mg/ltr (-)		
	Carassius Auratus		
EC 50 / 48 h	>10 mg/ltr (Daphnia magna (water flea))		
COD	1,800 (-)		
Amides, C8-18 (et	Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)		
LC50 / 96 h	1-10 mg/ltr (Brachydanio rerio)		
OECD test 301 D	>60 (biodegradation in % after 28 days)		
CAS: 68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides		
LC50 / 96 h	0.515 mg/ltr (Lepomus gobbosus (Zonnebaars))		
	0.93 mg/ltr (Oncorhynchus mykiss (Rainbow trout))		
	0.28 mg/ltr (Pimephales promelas)		
EC 50 / 48 h	0.016 mg/ltr (Daphnia magna (water flea))		
OECD test 301 B	95.5 (biodegradation in % after 28 days)		
OECD test 301 D	>60 (biodegradation in % after 28 days)		

- 12.2 Persistence and degradability No further relevant information available.
- Other information: The product is biodegradable.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · 12.6 Endocrine disrupting properties The product does not contain substances with endocrine disrupting properties.
- · 12.7 Other adverse effects
- Additional ecological information:
- · General notes:

Must not reach sewage water or drainage ditch undiluted or unneutralised.

In accordance with the requirements of the RVO in the Act on Detergents and Cleansing Agents, tensides are biodegradable up to at least 90 %.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation Disposal must be made according to official regulations
- European waste catalogue

HP14 Ecotoxic

- · Uncleaned packaging:
- · Recommendation: Disposal in accordance with administrative provisions

SECTION 14: Transport information

- · 14.1 UN number or ID number
- · ADR, ADN, IMDG, IATA

Void

(Contd. on page 7)

Printing date 21.09.2021 Version: 6 (replaces version 5) Revision: 21.09.2021

Trade name: WELD CLEAN RTU

		(Contd. of page
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void	
· 14.3 Transport hazard class(es)		
· ADR, ADN, IMDG, IATA · Class	Void	
· 14.4 Packing group · ADR, IMDG, IATA	Void	
· 14.5 Environmental hazards: · Marine pollutant:	No	
· 14.6 Special precautions for user	Not applicable.	
· 14.7 Maritime transport in bulk according instruments	to IMO Not applicable.	
· UN "Model Regulation":	Void	

SECTION 15: Regulatory information

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

Reg. (EC) n. 1272/2008 - CLP;

Reg. (EC) n. 2015/830 annex II of REACH;

Dir. 06/08 ADR - RID - IMDG - IATA;

Dir. 12/18 (Seveso III);

Dir. 2008/98/CE and Reg. (EC) n.1357/2014 (Waste management)

Reg (EC) n. 648/2004 - Detergents

Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

· Hazard pictograms



GHS05

- · Signal word Danger
- Hazard-determining components of labelling:

Alcohols, C12-15-branched and linear, ethoxylated

Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)

· Hazard statements

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P273 Avoid release to the environment. P280 Wear eye protection / face protection.

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/doctor.

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

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment Annex II

None of the ingredients is listed.

- REGULATION (EU) 2019/1148
- · Annex I RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

(Contd. on page 8)

Printing date 21.09.2021 Version: 6 (replaces version 5) Revision: 21.09.2021

Trade name: WELD CLEAN RTU

(Contd. of page 7)

- National regulations:
- · Technical instructions (air):

Class	Share in %	6
NK	0.6	

- · Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

· Classification according to Regulation (EC) No 1272/2008 Calculation method

Department issuing SDS:

Customer Service

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- · Date of previous version: 21.09.2021
- · Version number of previous version: 5
- Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

WELL: The highest acceptable concentration IOELV: Indicative occupational exposure limit values

Acute Tox. 4: Acute toxicity - Category 4

Skin Corr. 1B: Skin corrosion/irritation - Category 1B

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

 $Aquatic\ Acute\ 1:\ Hazardous\ to\ the\ aquatic\ environment\ -\ acute\ aquatic\ hazard\ -\ Category\ 1$

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category I Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

* Data compared to the previous version altered.

Printing date 21.09.2021 Version: 6 (replaces version 5) Revision: 21.09.2021

Trade name: WELD CLEAN RTU

(Contd. of page 8)

Annex: Exposure scenario

- · Short title of the exposure scenario For the finished product.
- · Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

- Product category PC35 Washing and cleaning products (including solvent based products)
- Description of the activities / processes covered in the Exposure Scenario See section 1 of the annex to the Safety Data Sheet.
- · Conditions of use
- · Duration and frequency 5 workdays/week.
- · Physical parameters
- · Physical state Fluid
- $\cdot \textit{Concentration of the substance in the mixture } \textit{The substance is main component}.$
- Used amount per time or activity According to directions for use.
- · Other operational conditions
- Other operational conditions affecting environmental exposure

No special measures required.

Use only on hard ground.

- · Other operational conditions affecting worker exposure Avoid contact with eyes.
- Other operational conditions affecting consumer exposure No special measures required.
- Other operational conditions affecting consumer exposure during the use of the product Not applicable.
- Risk management measures
- · Worker protection
- Organisational protective measures No special measures required.
- Technical protective measures

No special measures required.

Ensure that suitable extractors are available on processing machines

Use product only in enclosed systems.

· Personal protective measures

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

Tightly sealed goggles

- · Measures for consumer protection Ensure adequate labelling.
- · Environmental protection measures
- · Water

No special measures required.

Generally, prior to the introduction of wastewater into wastewater treatment plants a neutralisation is required.

Do not allow to reach sewage system.

- · Soil Prevent contamination of soil.
- · Disposal measures

Disposal in accordance with administrative provisions

Ensure that waste is collected and contained.

- Disposal procedures Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- · Waste type Partially emptied and uncleaned packaging
- · Exposure estimation
- Consumer Not relevant for this Exposure Scenario.
- · Guidance for downstream users No further relevant information available.

EU