

## Iron Kit

10 Anti limescale cartridges and 1 Iron soleplate stain remover

### SAFETY DATA SHEET

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

Code: [IRO011] 484000008407 - [IRO012] 484000008957  
Denomination **Iron kit - 10 Anti limescale cartridges and 1 Iron soleplate stain remover**

## Iron soleplate stain remover

Revision n. 0003 - Revision date: 02/02/2016

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

##### Relevant identified uses of the substance or mixture:

Cleaner

Sector of use [SU]:

SU21 - Consumer uses: Private households (=general public = consumers)

##### Uses advised against:

No information available at present.

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

PRYM CONSUMER GMBH & CO. KG, Zweifaller Str. 130, D-52224 Stolberg

Telephone: +49 (0)2402 - 14 04, Fax: +49 (0)2402 - 14 29 19

E-mail address of the competent person: [info@chemical-check.de](mailto:info@chemical-check.de), [k.schnurbusch@chemical-check.de](mailto:k.schnurbusch@chemical-check.de)

#### 1.4. Emergency telephone number

For urgent safety information call the Anti-Poison Center of your country.

Check the emergency list on page 16.

#### SECTION 2: Hazards identification

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

###### 2.1.1 Classification according to Regulation (EC) 1272/2008 (CLP)

The mixture is not classified as dangerous

##### 2.2 Label elements

Not applicable

GHS Pictograms: not applicable

Signal Word: not applicable

Hazard Statement: not applicable

Precautionary Statement: not applicable

Safety data sheet available for professional user on request.

### 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006.

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006.

## SECTION 3: Composition/information on ingredients

### 3.1 Substance

n.a.

### 3.2 Mixture

<b>Fatty acid soap</b>	
<b>Registration number (REACH)</b>	--
<b>Index</b>	---
<b>EINECS, ELINCS, NLP</b>	-
<b>CAS</b>	CAS n.v.
<b>content %</b>	1-5
<b>Classification according to Regulation (EC) 1272/2008 (CLP)</b>	Skin Irrit. 2, H315

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

Never pour anything into the mouth of an unconscious person!

#### Inhalation

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

#### Skin contact

Normally not irritating to skin.

Wash thoroughly with soap and water.

Remove contaminated clothing immediately.

#### Eye contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

#### Ingestion

Rinse the mouth thoroughly with water.

Give copious water to drink - consult doctor immediately.

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

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

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

n.c.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

CO2

Extinction powder

Water jet spray

Large fire:

Water jet spray / alcohol resistant foam

#### Unsuitable extinguishing media

None known

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

In case of fire the following can develop:

Oxides of carbon

Oxides of sulphur

Oxides of nitrogen

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary

Dispose of contaminated extinction water according to official regulations.

## SECTION 6: Accidental release measures

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

No special measures required.

Avoid build up of dust.

Avoid contact with eyes or skin.

### 6.2 Environmental precautions

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

If accidental entry into drainage system occurs, inform responsible authorities.

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

Pick up mechanically and dispose of according to Section 13.

### 6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

## SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

### 7.1 Precautions for safe handling

#### 7.1.1 General recommendations

Avoid contact with eyes.

Avoid long lasting or intensive contact with skin.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

#### 7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

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

Store product closed and only in original packing.

Not to be stored in gangways or stair wells.

Store at room temperature.

Store in a dry place.

### 7.3 Specific end use(s)

No information available at present.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Chemical Name	general dust limit	Content %:
WEL-TWA: 10 mg/m3 (inhal. dust), 4 mg/m3 (respir. dust)	WEL-STEL: ---	---
BMGV: ---	Other information: ---	

Ⓔ WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

\*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

Urea						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - dermal	Short term, systemic effects	DNEL	580	mg/kg	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	580	mg/kg	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	292	mg/m3	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	292	mg/m3	
Consumer	Human - dermal	Short term, systemic effects	DNEL	580	mg/kg	
Consumer	Human - dermal	Long term, systemic effects	DNEL	580	mg/kg	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	125	mg/m3	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	125	mg/m3	
Consumer	Human - oral	Short term	DNEL	42	mg/kg	
Consumer	Human - oral	Long term	DNEL	42	mg/kg	
	Environment - freshwater		PNEC	0,047	mg/l	

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.  
If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.  
Applies only if maximum permissible exposure values are listed here.

### 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

With danger of contact with eyes.

Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:

Normally not necessary.

With long-term contact:

Protective latex rubber gloves (EN 374).

Protective hand cream recommended.

Skin protection - Other:

Usual protective working garments

Respiratory protection:

Normally not necessary.

Thermal hazards:

If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

### 8.2.3 Environmental exposure controls

No information available at present.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state:	Solid
Colour:	According to specification
Odour:	Characteristic
Odour threshold:	Not determined
pH-value:	Not determined
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
Flash point:	n.a.
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Lower explosive limit:	n.a.
Upper explosive limit:	n.a.
Vapour pressure:	Not determined
Vapour density (air = 1):	Not determined
Density:	Not determined
Bulk density:	Not determined
Solubility(ies):	Not determined
Water solubility:	Soluble
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	No
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Product is not explosive.
Oxidising properties:	Not determined

### 9.2 Other information

Miscibility:	Not determined
Fat solubility / solvent:	Not determined
Conductivity:	Not determined
Surface tension:	Not determined
Solvents content:	Not determined

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

See also Subsection 10.2 to 10.6.

The product has not been tested.

### 10.2 Chemical stability

See also Subsection 10.1 to 10.6.

Stable with proper storage and handling.

### 10.3 Possibility of hazardous reactions

See also Subsection 10.1 to 10.6.

No dangerous reactions are known.

### 10.4 Conditions to avoid

See also section 7.

Protect from humidity.

### 10.5 Incompatible materials

See also section 7.

None known

### 10.6 Hazardous decomposition products

See also Subsection 10.1 to 10.5.

See also section 5.2

No decomposition when used as directed.



## SECTION 11: Toxicological information

Possibly more information on health effects, see Section 2.1 (classification).

Iron Cleaner Art.: 987 016						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Respiratory tract irritation:						n.d.a.
Repeated dose toxicity:						n.d.a.
Symptoms:						n.d.a.
Other information:						Classification according to calculation procedure.
Other information:						According to current knowledge that mixture does not endanger man under normal conditions of application.

## SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

Iron Cleaner Art.: 987 016							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:							n.d.a.
Toxicity to daphnia:							n.d.a.
Toxicity to algae:							n.d.a.
Persistence and degradability:							The surfactant(s) contained in this mixture 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.
Bioaccumulative potential:							n.d.a.
Mobility in soil:							n.d.a.
Results of PBT and vPvB assessment:							n.d.a.
Other adverse effects:							n.d.a.
Other information:							According to the recipe, contains no AOX.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

07 06 99 wastes not otherwise specified

20 01 29 detergents containing dangerous substances

Recommendation:

Pay attention to local and national official regulations

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

#### For contaminated packing material

Pay attention to local and national official regulations

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

Recommended cleaner:

Water

## SECTION 14: Transport information

### General statements

UN number: n.a.

#### Transport by road/by rail (ADR/RID)

UN proper shipping name:

Transport hazard class(es): n.a.

Packing group: n.a.

Classification code: n.a.

LQ (ADR 2013): n.a.

LQ (ADR 2009): n.a.

Environmental hazards: Not applicable

Tunnel restriction code:

#### Transport by sea (IMDG-code)

UN proper shipping name:

Transport hazard class(es): n.a.

Packing group: n.a.

Marine Pollutant: n.a.

Environmental hazards: Not applicable

#### Transport by air (IATA)

UN proper shipping name:

Transport hazard class(es): n.a.

Packing group: n.a.

Environmental hazards: Not applicable

#### Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

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

Non-dangerous material according to Transport Regulations.

## SECTION 15: Regulatory information

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

For classification and labelling see Section 2.

Observe restrictions: n.a.

VOC (1999/13/EC): 0%

### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

## SECTION 16: Other information

These details refer to the product as it is delivered.

Revised sections: 2 - 3 - 16

The following phrases represent the posted H phrases, Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H315 Causes skin irritation.

Skin Irrit. — Skin irritation

## Any abbreviations and acronyms used in this document:

AC	Article Categories
acc., acc. to	according, according to
ACGIH	American Conference of Governmental Industrial Hygienists
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
AOEL	Acceptable Operator Exposure Level
AOX	Adsorbable organic halogen compounds
approx.	approximately
Art., Art. no.	Article number
ATE	Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
BAM	Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
BAuA	Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
BCF	Bioconcentration factor
BGV	Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)
BHT	Butylhydroxytoluol (= 2,6-Di- <i>t</i> -butyl-4-methyl-phenol)
BMGV	Biological monitoring guidance value (EH40, UK)
BOD	Biochemical oxygen demand
BSEF	Bromine Science and Environmental Forum
bw	body weight
CAS	Chemical Abstracts Service
CEC	Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids
CESIO	Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques
CIPAC	Collaborative International Pesticides Analytical Council
CLP	Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
CMR	carcinogenic, mutagenic, reproductive toxic
COD	Chemical oxygen demand
CTFA	Cosmetic, Toiletry, and Fragrance Association
DMEL	Derived Minimum Effect Level
DNEL	Derived No Effect Level
DOC	Dissolved organic carbon
DT50	Dwell Time - 50% reduction of start concentration
DVS	Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)
dw	dry weight
e.g.	for example (abbreviation of Latin 'exempli gratia'), for instance
EC	European Community
ECHA	European Chemicals Agency
EEA	European Economic Area
EEC	European Economic Community
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EN	European Norms
EPA	United States Environmental Protection Agency (United States of America)
ERC	Environmental Release Categories
ES	Exposure scenario
etc.	et cetera
EU	European Union
EWG	European Waste Catalogue
Fax.	Fax number
gen.	general
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
GWP	Global warming potential
HET-CAM	Hen's Egg Test - Chorionallantoic Membrane
HGWP	Halocarbon Global Warming Potential
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
IBC (Code)	International Bulk Chemical (Code)
IC	Inhibitory concentration
IMDG-code	International Maritime Code for Dangerous Goods
incl.	including, inclusive
IUCLID	International Uniform Chemical Information Database
LC	lethal concentration
LC50	lethal concentration 50 percent kill
LCLo	lowest published lethal concentration
LD	Lethal Dose of a chemical
LD50	Lethal Dose, 50% kill
LDLo	Lethal Dose Low
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level



LQ Limited Quantities  
 MARPOL International Convention for the Prevention of Marine Pollution from Ships  
 n.a. not applicable  
 n.av. not available  
 n.c. not checked  
 n.d.a. no data available  
 NIOSH National Institute of Occupational Safety and Health (United States of America)  
 NOAEC No Observed Adverse Effective Concentration  
 NOAEL No Observed Adverse Effect Level  
 NOEC No Observed Effect Concentration  
 NOEL No Observed Effect Level  
 ODP Ozone Depletion Potential  
 OECD Organisation for Economic Co-operation and Development  
 org. organic  
 PAH polycyclic aromatic hydrocarbon  
 PBT persistent, bioaccumulative and toxic  
 PC Chemical product category  
 PE Polyethylene  
 PNEC Predicted No Effect Concentration  
 POCP Photochemical ozone creation potential  
 ppm parts per million  
 PROC Process category  
 PTFE Polytetrafluorethylene  
 REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)  
 REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.  
 RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)  
 SADT Self-Accelerating Decomposition Temperature  
 SAR Structure Activity Relationship  
 SU Sector of use  
 SVHC Substances of Very High Concern  
  
 Tel. Telephone  
 ThOD Theoretical oxygen demand  
 TOC Total organic carbon  
 TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)  
 UN RTDG United Nations Recommendations on the Transport of Dangerous Goods  
 VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))  
 VOC Volatile organic compounds  
 vPvB very persistent and very bioaccumulative  
 WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).  
 WHO World Health Organization  
 wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

**Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90**

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## INGREDIENTS SHEET

Ingredient data sheet in accordance with Article 9(3) of Regulation (EC) 648/2004 for detergents  
- datasheet for medical personnel -

INCI name	European Pharmacopoeia name	common chemical name / IUPAC name	CAS number
10% or more			
UREA	ureum	Urea	57-13-6
		Toluenesulphonamide	1333-07-9
1% or over, but less than 10%			
		soap of linseed oil	
0,1% or over, but less than 1%			
SODIUM CARBONATE	natrii carbonas	Sodium carbonate	497-19-8
less than 0,1%			
POTASSIUM HYDROXIDE	kali hydroxidum	Potassium hydroxide	1310-58-3
PARFUM		(R) - p - mentha - 1,8 - diene	5989-27-5
		3 - methyl - 4 - (2,6,6 - trimethyl - 2 - cyclohexen - 1 - yl) - 3 - buten - 2 - one	127-51-5

- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Steam iron machine descaler.

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

<b>Distributor</b>	WHIRLPOOL EUROPE S.R.L.
Address	Viale Guido Borghi, 27 - 21025 COMERIO (VA) - Italy
Telephone number	+39 (0) 322 759111
E-mail address	sicurezza@dgsasrl.it
<b>Manufacturer</b>	SYNT CHEMICAL S.R.L.
Address	Via Armando Gagliani, 5 - 40069 ZOLA PREDOSA (BO) - Italy
Telephone number	+39 (0) 51 752332
E-mail address	laboratorio@syntchemical.it

**1.4 Emergency telephone number**

For urgent safety information call the Anti-Poison Center of your country. Check the emergency list on page 16.

## SECTION 2: hazards identification

**2.1 Classification of the substance or mixture**

The product is not classified as hazardous as for the Directive 1999/45/EC (and subsequent amendments and supplements). Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

**2.1.1 Classification according to Directive 1999/45/EC**

**Non classified**

Safety data sheet available for professional user

**2.2 Label elements**

Labelling according to Directive 1999/45/EC

Danger symbol: **not required**

Indication(s) of danger: **not required**

Risk phrases (R phrases): **not required**

safety advice (S phrases): **not required**

**2.3 Other hazards**

This product has no possibility to have negative effect on health and environment.

## SECTION 3: composition/information on ingredients

**3.1 Substances**

Not applicable

**3.2 Mixtures**

Hazardous ingredients: none

## SECTION 4: first aid measures

**4.1 Description of first aid measures**

General notes

When in doubt or if symptom persist, seek medical advice and show this material safety data sheet.

Following inhalation

In case of exposure to dust, take victim in a quiet place to fresh air, and if necessary take medical advice

Following skin contact

Wash immediately with plenty of running water. In case of symptoms of skin irritation, take medical advice

Following eye contact

Wash with plenty of water (minimum 20 minutes) with eyes wide open after taking off soft contact lenses and immediately take medical advice

Following ingestion

Rinse the mouth. Do not induce vomiting. Seek medical advice

Self-protection of the first aider

Not required

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

No further relevant information available

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

Call POISON CENTER or doctor / physician if you feel unwell.

### SECTION 5: firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media

Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>), water spray, sand, earth

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire

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

Fire will produce dense black smoke.

In case of fire, product decomposes in: CO, CO<sub>2</sub>, PO<sub>x</sub>, NO<sub>x</sub>.

Concerning product toxicity, see SECTION 11 and about product stability and reactivity see SECTION 10.

#### 5.3 Advice for firefighters

Use a self-contained breathing apparatus and also a protective suit.

Cool containers with spray water if possible.

### SECTION 6: accidental release measures

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

Evacuate personnel to a safe area.

Avoid contact with skin, eyes, or clothing.

Concerning personal protective equipment to use, see SECTION 8.

#### 6.2 Environmental precautions

Do not allow material to contaminate ground water system. Concerning disposal elimination after cleaning, see SECTION 13.

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

Gather up using absorbent material.

Shovel into suitable and closed container for disposal.

#### 6.4 Reference to other sections

Concerning personal protective equipment to use, see SECTION 8.

Concerning product toxicity, see SECTION 11 and about product stability and reactivity see SECTION 10. Concerning disposal elimination after cleaning, see SECTION 13.

### SECTION 7: handling and storage

#### 7.1 Precautions for safe handling

Material handling require no special precaution measures.

Do not use in the presence of children

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

No special measures required.

#### 7.3 Specific end use

Consumer products: steam iron machine descaler.

### SECTION 8: exposure controls/personal protection

#### 8.1 Control parameters

Mixture without workplace control parameters

#### 8.2 Exposure controls

##### 8.2.2 Individual protection measures, such as personal protective equipment

Eye/face protection: not required under normal conditions of use.

Skin protection: not required under normal conditions of use.

Hand protection: not required under normal conditions of use.

Respiratory protection: not required under normal conditions of use.

##### 8.2.3 Environmental exposure controls

Handle in accordance with good industrial hygiene and safety practice

## SECTION 9: physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- a) Appearance: liquid pale
- b) Odour: odourless
- c) Odour threshold: not determined.
- d) pH: 6-8 (dilution 1%)
- e) Melting point/freezing point: not determined
- f) Initial boiling point and boiling range: -2 °C
- g) Flash point: > 100 °C
- h) Evaporation rate: not applicable
- i) Flammability (solid, gas): not applicable
- j) Upper/lower flammability or explosive limits: not determined
- k) Vapour pressure: not determined
- l) Vapour density: not applicable
- m) Relative density: 1,0 (at 20 °C)
- n) Solubility(ies): soluble (in water) - insoluble (in oil)
- o) Partition coefficient n-octanol/water:
- p) Auto-ignition temperature: not determined
- q) Decomposition temperature: not determined
- r) Viscosity: not determined
- s) Explosive properties: not explosive
- t) Oxidising properties: not oxidising

### 9.2 Other information

None

## SECTION 10: stability and reactivity

### 10.1 Reactivity

No decomposition if used as reported

### 10.2 Chemical stability

Stable in use and storage conditions as recommended in SECTION 7

### 10.3 Possibility of hazardous reactions

None

### 10.4 Conditions to avoid

None particular.

### 10.5 Incompatible materials

Keep away from oxidising agents, acids and strong bases..

### 10.6 Hazardous decomposition products

None under normal use

## SECTION 11: toxicological information

### 11.1 Information on toxicological effects

Oral toxicity: the product is not classified as harmful if swallowed.

Skin toxicity: the product is not classified as harmful with skin contact.

Inhalation: the product is not classified as harmful for inhalation

Contact with skin/eyes: the product is lightly irritating by contact to the skin and eyes

## SECTION 12: ecological information

### 12.1 Toxicity

No data available on the product.

Product may not flow into sanitation or superficial water.

### 12.2 Persistence and degradability

No surfactants contained



- 12.3 Bioaccumulative potential**  
No bioaccumulation
- 12.4 Mobility in soil**  
No data available on the product.
- 12.5 Results of PBT and vPvB assessment**  
Not applicable
- 12.6 Other adverse effects**  
None

## SECTION 13: disposal considerations

- 13.1 Waste treatment methods**  
Burn in a special incinerator under carefully controlled conditions, in compliance with the local and national regulation in force.  
Disposal of the container: wash the empty container in order to recover all product residues; the washed container can then be recycled or disposed.

## SECTION 14: transport information

- 14.1 UN number**  
Not classified as dangerous goods.
- 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 hazard**  
Not applicable
- 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**  
Seveso category: not applicable
- 15.2 Chemical safety assessment**  
No chemical safety assessment need for this mixture

## SECTION 16: other information

The information contained in this safety data sheet is provided in accordance with:

- annex VI EC Regulation 1272/2008 & adaptations
- 99/45 dangerous preparations directive and adaptations
- CLP 1272/2008 & adaptations

R phrases listed in SECTION 3

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Hazard (H) indications mentioned in SECTION 3



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**INGREDIENTS SHEET**

COMPONENT IUPAC	INCI NAME	CAS	Pharmacopea name	%
Water	AQUA	7732-18-5	aqua	> 10
Diethylenetriaminepenta (methylenephosphonic acid), sodium salt	SODIUM DIETHYLENETRIAMINE PENTAMETHYLENE PHOSPHONATE	22042-96-2	n.a	0.1 - 1

## Emergency telephone numbers

For urgent safety information call the Anti-Poison Center of your country:

	COUNTRY	CUSTOMER SERVICE NR.	ANTI-POISON CENTER NR.
	AUSTRIA	(0043) 050 6700 200	(0043) 01 406 43 43
	BELGIUM	0032 (0)2 263 33 33	(0032) 070 245 245
	CZECK REP.	(00420) 840 111 313	(00420) 224 91 54 02
	DENEMARK	(0045) 44880280	(0045) 82121212
	FINLAND	(09) 61336 235	(09) 471977
	FRANCE	(0033) 0892 700 150	(0033) 01 40 05 48 48
	GERMAN	(0049) 0711 93533655	(0049) 0761 19240
	GREECE	(0030) 2109946400	(0030) 2107793777
	HOLLAND	0031 (0)76 530 6400	(0031) 030 274 8888
	HUNGARY	(0036) 06 40 109 109	(0036) 80 20 11 99
	IRELAND	(00353) 0844 815 8989	(00353) 1 8092566
	ITALY	(0039) 199 580 480	(0039) 02 66101029
	NORWAY	(0047) 22782500	(0047) 22 59 13 00
	POLAND	(0048) 801 900 666	Warszawa: (0048) 22 619 66 54 Gdańsk: (0048) 58 682 04 04 Poznań: (0048) 61 847 69 46 Kraków: (0048) 12 411 99 99
	PORTUGAL	(00351) 707 203 204	(00351) 808 250143
	ROMANIAN	(0040) 0372 117 745	
	RUSSIA	007 (495)745 57 31	
	SLOVAKIA	(00421) 0850 003 007	(00421) 2 54774166
	SPAIN	(0034) 902 203 204	(0034) 915 620 420
	SWEDEN	(0046) 0771 751570	(0046) 08 331231
	SWISS	(0041) 0848 801 005	(0041) 145
	UK	(0044) 0844 815 8989	(0044) 0845 46 47 (0044) 020 7188 0600
	UCRAIN	(00380) 0 800 501 150	