

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Identification of the substance/preparation:** PADOMA Machine cleaner**UFI:** C6MU-YU7R-H90X-PEK1**1.2 Relevant identified uses of the substance or mixture and uses advised against****Application of the substance / the mixture** Cleaning agent/ Cleaner**Uses advised against** No further relevant information available.**1.3 Details of the supplier of the safety data sheet****Company/undertaking identification:**

STC Special Trading Company GmbH

Kladower Damm 3

14089 Berlin, Germany

+49 175 9865728

<https://special-trading-gmbh.com/>contact@special-trading-gmbh.com**Further information obtainable from:**

+49 175 9865728

contact@special-trading-gmbh.com**1.4 Emergency telephone number:** +49 175 9865728**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms GHS07**Signal word** Warning**Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear protective gloves / 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.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in a safe manner.

Additional information:**Regulation (EC) No 648/2004 on detergents / Labelling for contents**

oxygen-based bleaching agents	≥5 - <15%
polycarboxylates, non-ionic surfactants	<5%
perfumes, enzymes	

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients**3.2 Mixtures****Description:** Descaler**Dangerous components:**

CAS: 497-19-8 EINECS: 207-838-8 Reg.nr.: 01-2119485498-19	sodium carbonate ☠ Eye Irrit. 2, H319	50-100%
CAS: 1344-09-8 EINECS: 215-687-4 Reg.nr.: 01-2119448725-31	Silicic acid, sodium salt ☠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	≥10-<20%
CAS: 15630-89-4 EINECS: 239-707-6 Reg.nr.: 01-2119457268-30	disodium carbonate, compound with hydrogenperoxide (2:3) ☠ Ox. Sol. 2, H272; ☠ Eye Dam. 1, H318; ☠ Acute Tox. 4, H302 Specific concentration limits: Eye Dam. 1; H318: C ≥ 25 % Eye Irrit. 2; H319: 7,5 % ≤ C < 25 %	≥10-<25%

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****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. If symptoms persist, consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water.**4.2 Most important symptoms and effects, both acute and delayed**

Causes serious eye damage.

Causes skin irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fire with alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

Danger of forming toxic pyrolysis products.

Carbon oxides (CO_x)Sulphur oxides (SO_x)Nitrogen oxides (NO_x)**5.3 Advice for firefighters****Protective equipment:**

Do not inhale explosion gases or combustion gases.

Wear fully protective suit.

Wear self-contained respiratory protective device.

Additional information

Cool endangered receptacles with water spray.

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Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid contact with the eyes and skin.

Ensure adequate ventilation

6.2 Environmental precautions:

Do not allow to reach ground water/water course. Do not allow undiluted product or large quantities of it to reach sewage system.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up: Pick up mechanically.**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**

Observe information on the label and follow instructions for use.

See Section 8 for information on personal protection equipment.

Avoid contact with the eyes and skin.

Keep away from food, drink and animal feedingstuffs.

Information about fire - and explosion protection:

No special precautions are necessary if used correctly.

7.2 Conditions for safe storage, including any incompatibilities**Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.**Information about storage in one common storage facility:**

Store away from oxidising agents.

Store away from foodstuffs.

Observe the notes from TRGS 510 regarding joint storage of hazardous substances.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Keep out of reach of children.

Storage class: 10-13**7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Exposure limit values:**

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

DNELs**CAS: 497-19-8 sodium carbonate**

Inhalative	Local effect, long-term exposure	10 mg/m ³ (Workers)
	Local effect, short-term exposure	10 mg/m ³ (General population)

CAS: 1344-09-8 Silicic acid, sodium salt

Oral	Systemic effect, long-term exposure	0,8 mg/kg bw/day (General population)
Dermal	Systemic effect, long-term exposure	0,8 mg/kg bw/day (General population)

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Inhalative	Systemic effect, long-term exposure	1,59 mg/kg bw/day (Workers) 1,38 mg/m ³ (General population) 5,61 mg/m ³ (Workers)
CAS: 15630-89-4 disodium carbonate, compound with hydrogenperoxide (2:3)		
Dermal	Local effect, long-term exposure	6,4 mg/cm ² (General population) 12,8 mg/cm ² (Workers)
	Local effect, short-term exposure	6,4 mg/cm ² (General population) 12,8 mg/cm ² (Workers)
Inhalative	Local effect, long-term exposure	5 mg/m ³ (Workers)

PNECs**CAS: 1344-09-8 Silicic acid, sodium salt**

Water	7,1 mg/l (Fresh water) 7,5 mg/l (Intermittent release (Fresh water)) 1 mg/l (Marine water)
Sewage treatment plant (STP)	348 mg/l (Microorganisms)
CAS: 15630-89-4 disodium carbonate, compound with hydrogenperoxide (2:3)	
Water	0,035 mg/l (Fresh water) 0,035 mg/l (Marine water)
Sewage treatment plant (STP)	16,24 mg/l (Microorganisms)

Additional information: The lists valid during the making were used as basis.**8.2 Exposure controls****Appropriate engineering controls** No further data; see section 7.**General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

Do not eat or drink while working.

Wash hands before breaks and at the end of work.

Respiratory protection:

Use suitable respiratory protective device when high concentrations are present.

Filter P2

Hand protection

After use of gloves apply skin-cleaning agents and skin cosmetics.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

Avoid direct contact with the chemical/ the product/ the preparation by organisational measures.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

Nitrile rubber, NBR

Recommended thickness of the material: $\geq 0,35$ mm

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

Value for the permeation: Level 6

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection Safety goggles according to EN 166 (i.e. goggles with side shields)**Body protection:**

Protective work clothing

Not required.

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Environmental exposure controls Follow instructions for use, dosage and waste disposal.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Physical state	Solid
Colour:	White
Odour:	Scented
Odour threshold:	Not determined.
Melting point/freezing point:	153 °C
Boiling point or initial boiling point and boiling range	Undetermined.
Flammability	Not determined.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable.
Decomposition temperature:	>153 °C
pH at 20 °C	10-11 (1%)
Viscosity:	
Kinematic viscosity	Not applicable.
Dynamic:	Not applicable.
Solubility	
water:	Soluble.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not applicable.
Density and/or relative density	
Density:	Not determined.
Relative density	Not determined.
Bulk density:	820-930 kg/m ³
Vapour density	Not applicable.
Relative gas density	Not relevant
Particle characteristics	See section 3.

9.2 Other information

Appearance:	
Form:	Powder
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Solvent content:	
Organic solvents:	0,0 %
Water:	3,1 %
Change in condition	
Evaporation rate	Not applicable.

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

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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 in 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** No decomposition if used and stored according to specifications.**Conditions to avoid:** No decomposition if used according to specifications.**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid**

Contact with incompatible materials.

Protect from heat and direct sunlight.

10.5 Incompatible materials:

Reacts with reducing agents.

Reacts with acids.

Reacts with alkali (lyes).

Reacts with strong oxidising agents.

10.6 Hazardous decomposition products:

No decomposition if used according to specifications.

Thermal decomposition:

Carbon oxides (CO_x)Nitrogen oxides (NO_x)Sulphur oxides (SO_x)**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:**

Oral	ATE _{mix}	>2.000 mg/kg (calculated value)
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CAS: 497-19-8 sodium carbonate

Oral	LD50 ₅₀	2.800 mg/kg/bw (ATE) rat
Dermal	LD ₅₀	>2.000 mg/kg/bw (ATE) (EPA 16 CFR 1500.40) rabbit
Inhalative	LC ₅₀ /2h	2,3 mg/l (Rat) (*)

CAS: 1344-09-8 Silicic acid, sodium salt

Dermal	LD ₅₀	>5.000 mg/kg/bw (Rat)
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CAS: 15630-89-4 disodium carbonate, compound with hydrogenperoxide (2:3)

Oral	LD ₅₀	1.034-2.000 mg/kg/bw (ATE) rat
Dermal	LD ₅₀	>2.000 mg/kg/bw (ATE) rabbit

Primary irritant effect:**Skin corrosion/irritation**

Expert judgement:

Causes skin irritation.

Serious eye damage/irritation

Expert judgement:

Causes serious eye irritation.

Causes serious eye irritation.

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.**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.**Information on likely routes of exposure**Ingestion:

Nausea

Gastric or intestinal disorders

Inhalation:

Coughing

Skin Contact:

Causes skin irritation.

Eye Contact:

Causes serious eye damage.

11.2 Information on other hazards**Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:**

Harmful to aquatic life with long lasting effects.

CAS: 497-19-8 sodium carbonate

LC ₅₀ /96h	300 mg/l (Fish)
EC ₅₀ /48h	200-227 mg/l (Invertebrates)
NOEC/96h	1-10 mg/l (Algae)

CAS: 1344-09-8 Silicic acid, sodium salt

LC ₅₀ /96h	1.108 mg/l (Fish)
EC ₅₀ /48h	1.700 mg/l (Daphnia magna)

CAS: 15630-89-4 disodium carbonate, compound with hydrogenperoxide (2:3)

LC ₅₀ /96h	70,7 mg/l (Pimephales promelas)
EC ₅₀ /48h	4,9 mg/l (Daphnia magna)
NOEC/96h	7,4 mg/l (Pimephales promelas)
NOEC/48h	2 mg/l (Invertebrates)

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General information: Not known to be hazardous to water.**12.2 Persistence and degradability**

The surfactants contained in the product correspond to the legislation on the environmental compatibility of detergents and are 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**Behaviour in sewage processing plants:**

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge. Before allowing large quantities to be fed into sewage plants, obtain the approval of the responsible authorities.

Other information:**General information:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow to reach ground water/water course. Do not allow undiluted product or large quantities of it to reach sewage system.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Recommendation**

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

20 01 29*	detergents containing hazardous substances
15 01 06	mixed packaging

Uncleaned packaging:**Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information**14.1 UN number or ID number**

ADR/RID, IMDG, IATA Void

14.2 UN proper shipping name

ADR/RID, IMDG, IATA Void

14.3 Transport hazard class(es)

ADR/RID, ADN, IMDG, IATA
Class Void

14.4 Packing group

ADR/RID, IMDG, IATA Void

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14.5 Environmental hazards:**Marine pollutant:** No**14.6 Special precautions for user** Not applicable.**14.7 Maritime transport in bulk according to IMO instruments** Not applicable.**UN "Model Regulation":** Void**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Labelling according to EC guidelines:** .**Directive 2012/18/EU** Not applicable**Named dangerous substances - ANNEX I** None of the ingredients is listed.**Regulation (EU) No 649/2012****Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations:**Other regulations, limitations and prohibitive regulations**

Other regulations (EC): Directive 98/24/EEC

Other regulations (EC): Regulation (EC) No 648/2004

Other regulations (DE): WRMG, WHG, AwVS

15.2 Chemical safety assessment: A Chemical Safety Assessment has not 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

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Training hints Make sure that users are appropriately informed, instructed and trained.**Classification according to Regulation (EC) No 1272/2008** Calculation method:**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)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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

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

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

AGW: Arbeitsplatzgrenzwert (Workplace exposure limit)

DFG: Deutsche Forschungsgemeinschaft MAK- und BAT-Werte-Liste, Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, WILEY-VCH, Weinheim (German Research Foundation MAK and BAT values list, Senate Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area, WILEY-VCH, Weinheim)

Y: Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden (There is no need to fear fetal impairment if the occupational exposure limit value and the biological limit value (BGW) are complied with.)

EC50: effective concentration, 50 percent

OECD: Organization for Economic Co-operation and Development

ADN: Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

IBC: Intermediate bulk container

MARPOL: Marine Pollution

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

NOEC: No observed effect concentration

ATE: Acute toxicity estimates

AwVS: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Regulation on systems for handling with water hazardous substances)

UN: United Nations

PT2: Product type 2

EG: Europäische Gemeinschaft (European community)

WHG: Wasserhaushaltsgesetz (Water Resources Act)

WRMG: Wasch- und Reinigungsmittelgesetz (Detergents and Cleaning Products Act)

Reg.nr.: Registration number

bw: body weight

dw: dry weight

M: Multiplikationsfaktor (Multiplication factor)

Ox. Sol. 2: Oxidizing solids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

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

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

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Sources Safety data sheet for raw materials, eur-lex.europa.eu, echa.europa.eu

*** Data compared to the previous version altered. .**