

PRODUCT SAFETY DATA SHEET
according to Regulation (EC) 1907/2006

printing date: 2023-12-11

revision date: 2023-01-20

product name: SWEEPER**1 identification of the substance/mixture and of the company****1.1 product identifier:****Product name: SWEEPER****Application of the substance/ mixture: metal surface treatment****Unique Formula Identifier (UFI-Code):**

H200-U0CW-500G-QEPV

1.2 Relevant identified uses of the substance/ mixture and uses advised against:

The mixture is intended for metal surface treatment. No additional information available

1.3 Details of the supplier of the safety data sheet:

Producer/ supplier:

RheinZink GmbH & Co. KG

Bahnhofstraße 90

45711 Datteln

fon: +49 (0) 2363 605-0

Department: Occupational Health and Safetysdb@rheinZink.de**1.4 Emergency telephone number:**

+49 (0) 172 2705629

2 Hazards identification**2.1 Classification of the substance/ mixture****Classification according to Regulation (EC) 1272/2008 (CLP):**

Aspiration hazard, category 1

Serious eye damage/ eye irritation, category 2

H 304 (May be fatal if swallowed and enters airways)

H 319 (causes serious eye irritation)

2.2 Labelling elements**Labelling according to Regulation (EG) 1272/2008 (CLP):**

PRODUCT SAFETY DATA SHEET according to Regulation (EC) 1907/2006

printing date: 2023-12-11

revision date: 2023-01-20

product name: SWEEPER


Danger

Hazard statements:

H 304	May be fatal if swallowed and enters airways
H 319	Causes serious eye damage
EUH 066	Repeated exposure may cause skin dryness or cracking

Precautionary statements:
prevention:

P280 Wear protective gloves/protective clothing/eye protection/face protection

reaction:

P 301 + P 310	If SWALLOWED: immediately call a POISON CENTRE or doctor/ physician
P 305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P 331	Do NOT induce vomiting
P 337 + P 313	If eye irritation persists get medical advice/attention

disposal:

P 501 Dispose of contents/ containers in accordance with local/ regional/ national/ international regulations

Hazard-determining components:

Hydrocarbons C12-C16 – Isoalkanes, <2% aromatic, Hydrocarbons C11-C13 - Isoalkanes, <2% aromatic

2.3 Other hazards:

No PBT/ vPvB components according to (EC) No 1907/2006, Annex XIII. No further information available.

Does not contain known endocrine disruptors above 0,1%

3 Composition/ information on ingredients

3.1 Chemical composition

Hazardous components:			
EINECS: 927-676-8	Hydrocarbons C12-C16 – Isoalkanes, <2% aromatic	Asp. Tox. 1, H304	>50 %
EINECS: 920-901-0	Hydrocarbons C11-C13 – Isoalkanes, <2% aromatic	Asp. Tox. 1, H304	10 – 20%
EINECS: 271-781-5	Sulfonic acids, petroleum, sodium salts	Eye Irrit. 2, H319	10 – 20%

PRODUCT SAFETY DATA SHEET
according to Regulation (EC) 1907/2006

printing date: 2023-12-11

revision date: 2023-01-20

product name: SWEEPER

Additional information: for the wording of the risk phrases please refer to section 2.

4 First aid measures

4.1 Description of first aid measures

General information:

Remove contaminated clothing immediately

In case of inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated room. If you feel unwell seek medical advice.

In case of skin contact:

Wash immediately with plenty of running water and possibly with soap the areas of the body that have, or are suspected to have, come in contact with the product.

In case of eye contact:

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately.

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

In case of ingestion:

The product is harmful and can cause irreversible damages even following a single exposure if swallowed. Absolutely do not induce vomiting or emesis. Seek medical advice immediately.

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

No further information available

4.3 Indication of any immediate medical attention and special treatment needed

If swallowed: Immediately call a doctor.

If eye irritation persists: Get medical advice/attention.

5 Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media:Water spray, CO₂, foam, dry chemical, depending on the materials involved in the fire.**Unsuitable extinguishing media:**

Water with a full water jet. Use water jets only to cool the surfaces of the containers exposed to fire.

PRODUCT SAFETY DATA SHEET
according to Regulation (EC) 1907/2006

printing date: 2023-12-11

revision date: 2023-01-20

product name: SWEEPER

5.2 Special hazards arising from the substance/ mixture

No further information available

5.3 Advice for fire fighters**Protective equipment:**

Wear breathing apparatus. Use Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction. Keep containers cool with water spray

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

6.1.1 For non-emergency personnel:

Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:

Wear mask, gloves and protective clothing.

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2 Environmental precautions:

Do not allow product to reach sewage system or water bodies

6.3 Methods and material for containment and cleaning up:

Contain spill with earth or sand. Dispose of contaminated material as waste according to chapter 13.

7 Handling and storage**7.1 Precautions for safe handling:****Protective measures:**

Ensure good ventilation at workplace

Advice on general occupational hygiene:

The usual precautionary measures when handling chemicals should be adhered to.

Keep away from food, drink and animal food.

Remove contaminated clothing immediately.

PRODUCT SAFETY DATA SHEET
according to Regulation (EC) 1907/2006

printing date: 2023-12-11

revision date: 2023-01-20

product name: SWEEPER

Wash hands before breaks or at the end of the workday.

7.2 conditions for safe storage:**Requirements for storerooms and containers:**

Keep/ store only in original containers.

Store in a cool place, away from sources of heat and direct exposure of sunlight.

Protection against fire and explosions:

Keep ignition sources away – do not smoke.

Protect against electrostatic charges.

Further information about storage conditions:

Keep container tightly closed.

7.3 Specific end uses

No information available

8 Exposure control/ Personal protection**8.1 Control parameters****Sulfonic acids, petroleum, sodium salts:**TLV-TWA = 5 mg / m³ (ACGIH)TLV-STEL = 10 mg / m³ (ACGIH)**DNEL - Workers**Inhalation, systemic effects, long-term = 0.66 mg / m³

Dermal, systemic effects, long-term = 3.33 mg / kg bw / day

DNEL - PopulationInhalation, systemic effects, long-term = 0.33 mg / m³

Dermal, systemic effects, long-term = 1,667 mg / kg bw / day

Oral, systemic effects, long-term = 0.8333 mg / kg bw / day

PNEC

Fresh water = 1 mg / l

Sea water = 0.47 mg / l

STP = 100 mg / l

8.2 Exposure controls**Appropriate engineering controls:**

no further information, see chapter 7.

Personal protective equipment:

PRODUCT SAFETY DATA SHEET
according to Regulation (EC) 1907/2006

printing date: 2023-12-11

revision date: 2023-01-20

product name: SWEEPER**Breathing equipment:**

Needed in case of insufficient ventilation or prolonged exposure.

Use adequate protective respiratory equipment (EN 141)

Hand protection:

Protective gloves (EN 374)

The glove material has to be impermeable and resistant to the product. Due to missing tests no recommendation as to the glove material can be given for the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and degradation

Eye protection:

Safety glasses (EN 166)

Body protection:

Protective clothing

Environmental exposure controls:

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system

9 Physical and chemical properties

9.1 basic physical and chemical properties:	
Form:	Liquid
Colour:	Light yellow (clear)
Smell:	Nearly odourless
Melting point:	< - 20°C
Boiling point:	~ 220°C
Flash point:	> 75°C
Ignition temperature:	> 200°C
Auto flammability:	Product is not self igniting
Explosive properties:	Product is not explosive
Lower explosive limit:	Not determined
Oxidizing properties:	Not determined
Vapour pressure:	Not determined
Density at 20°C:	0,850 g/cm ³
Solubility in water:	Not soluble/ difficult to mix
pH at 20°C:	6-7
Dynamic viscosity at 20°C:	20 cP

9.2 Other information

Content of VOC ready to use condition: 0,0 %

PRODUCT SAFETY DATA SHEET
according to Regulation (EC) 1907/2006

printing date: 2023-12-11

revision date: 2023-01-20

product name: SWEEPER

10 Stability and reactivity**10.1 Reactivity:**

No reactivity hazards.

10.2 Chemical stability:

No hazardous reaction when handled and stored according to provisions.

10.3 Possibility of hazardous reactions:

None

10.4 Conditions to avoid:

No decomposition if used according to specifications

10.5 Incompatible materials:

It can ignite in contact with oxidants.

11 Toxicological information**11.1 Information on toxicological effects:**

ATE(mix) oral = 0.0 mg/kg

ATE(mix) dermal = 0.0 mg/kg

ATE(mix) inhal = 0.0 mg/l/4 h

Skin corrosion/ irritation:

No irritant effect (OECD 404)

Eye damage/ irritation:

No irritant effect (OECD 405)

Respiratory or skin sensitization:

No known sensitizing effect

PRODUCT SAFETY DATA SHEET
according to Regulation (EC) 1907/2006

printing date: 2023-12-11

revision date: 2023-01-20

product name: SWEEPER

12 Ecological information**12.1 Toxicity**

No information available

12.2 Persistence and Biodegradability

No information available

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

No PBT/ vPvB components according to (EC) No 1907/2006, Annex XIII.

12.6 Endocrine disrupting properties

None known. No further information available.

12.7 other adverse effects

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

13 Disposal considerations**13.1 Waste treatment method****product:**

Recommendation: Disposal according to official regulations.

uncleaned packaging:

Recommendation: Disposal according to official regulations.

European waste catalogue:

The allocation of waste identity numbers / waste descriptions must be carried out according to the official regulations, specific to the industry and process.

PRODUCT SAFETY DATA SHEET
according to Regulation (EC) 1907/2006

printing date: 2023-12-11

revision date: 2023-01-20

product name: SWEEPER**14 Transport information****14.1 UN number**

None

14.2 UN proper shipping name:

None

14.3 Transport hazard classes:**ADR/RID label: -**
ADR/RID class: -**IMDG label: -**
IMDG class: -**ICAQ-TI and IATA-DGR label: -**
ICAO/IATA class: -**14.4 Packaging group**

None

14.5 Environmental hazards

The product is not a "marine pollutant"

14.6 Special precautions for users

No further precautions to those given in chapter 6 and 7

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

Not applicable

15 Regulatory information

Not applicable

PRODUCT SAFETY DATA SHEET
according to Regulation (EC) 1907/2006

printing date: 2023-12-11

revision date: 2023-01-20

product name: SWEEPER

16 Other information

Data are based on our latest knowledge but do not constitute a guarantee for any specific product features and do not establish a legally valid contractual relationship.

Department issuing Safety data sheet: Forschung & Entwicklung, Umwelt**Contact:** +49 (0) 2363 605-430**Abbreviations and acronyms:**

ADR: Accord européen sur le transport 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

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

EC50: effect concentration, 50 percent