# Safety Data Sheet according to Regulation (EC) No 1907/2006



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TEROSON WX 210 known as MULTI-WAX SPRAY SD 500ML INTER

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

**1.1. Product identifier**
TEROSON WX 210 known as MULTI-WAX SPRAY SD 500ML INTER

**1.2. Relevant identified uses of the substance or mixture and uses advised against**
Intended use:
Corrosion Protection Agents for Metals

**1.3. Details of the supplier of the safety data sheet**
Henkel Technologies (Pty.) Ltd.
Potgieter Street, 1450 Alrode Ext. 4
4534 Johannesburg 2000

South Africa

Phone: +27 11 864 4950
Fax-no.: +27 11 864 8942

**1.4. Emergency telephone number**
0800 202 202

## SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture**

**Classification (CLP):**
No data available.

**Classification (DPD):**
F+ - Extremely flammable
R12 Extremely flammable.
N - Dangerous for the environment
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

**2.2. Label elements**

**Label elements (CLP):**
No data available.

**Label elements (DPD):**

F+ - Extremely flammable

N - Dangerous for the environment

Risk phrases:

R12 Extremely flammable.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Safety phrases:

S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe spray.
S51 Use only in well-ventilated areas.
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Additional labeling:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children

**2.3. Other hazards**

The aerosol container is under pressure. Do not expose to high temperatures.
Solvents contained in the product evaporate during processing and their vapors can form explosive/highly inflammable air/vapor mixtures.
The solvent vapors are heavier than air and may collect in high concentrations at floor level.

## SECTION 3: Composition/information on ingredients

**General chemical description:**

Corrosion Protection Agents for Metals

**Base substances of preparation:**

Solvent

**Declaration of the ingredients according to CLP (EC) No 1272/2008:**

| Hazardous components<br>CAS-No. | EC Number<br>REACH-Reg No. | content | Classification |
|---|---|---|---|
| Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene<br>64742-82-1 | 265-185-4 | > 25 % | Chronic hazards to the aquatic environment 2<br>H411<br>Aspiration hazard 1<br>H304<br>Specific target organ toxicity - single exposure 3<br>H336<br>Flammable liquids 3<br>H226 |
| Isobutane<br>75-28-5 | 200-857-2 | > 25 % | Flammable gases 1<br>H220<br>Gases under pressure |
| Propane<br>74-98-6 | 200-827-9 | < 20 % | Flammable gases 1<br>H220<br>Gases under pressure |
| Sulfonic acids, petroleum, calcium salts, overbased<br>68783-96-0 | 272-213-9 | < 10 % | Chronic hazards to the aquatic environment 4<br>H413 |
| Naphtha, hydrotreated heavy; (petroleum)<br>64742-48-9 | 265-150-3 | < 10 % | Aspiration hazard 1<br>H304 |

**For full text of the H - statements and other abbreviations see section 16 "Other information".**
**Substances without classification may have community workplace exposure limits available.**

**Declaration of ingredients according to DPD (EC) No 1999/45:**

| Hazardous components<br>CAS-No. | EC Number<br>REACH-Reg No. | content | Classification |
|---|---|---|---|
| Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene<br>64742-82-1 | 265-185-4 | > 25 % | R10<br>N - Dangerous for the environment; R51/53<br>Xn - Harmful; R65<br>R66, R67 |
| Isobutane<br>75-28-5 | 200-857-2 | > 25 % | F+ - Extremely flammable; R12 |
| Propane<br>74-98-6 | 200-827-9 | < 20 % | F+ - Extremely flammable; R12 |
| Sulfonic acids, petroleum, calcium salts, overbased<br>68783-96-0 | 272-213-9 | < 10 % | R53 |
| Naphtha, hydrotreated heavy; (petroleum)<br>64742-48-9 | 265-150-3 | < 10 % | Xn - Harmful; R65 |

**For full text of the R-Phrases indicated by codes see section 16 'Other Information'.**
**Substances without classification may have community workplace exposure limits available.**

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation:
Fresh air, oxygen supply, warmth; seek specialist medical attention.

Skin contact:
Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.

Eye contact:
Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Ingestion:
not relevant.

**4.2. Most important symptoms and effects, both acute and delayed**
Repeated exposure may cause skin dryness or cracking.

Vapors may cause drowsiness and dizziness.

**4.3. Indication of any immediate medical attention and special treatment needed**
See section: Description of first aid measures

## SECTION 5: Firefighting measures

**5.1. Extinguishing media**
**Suitable extinguishing media:**
All common extinguishing agents are suitable.

**Extinguishing media which must not be used for safety reasons:**
Water jet (solvent-containing product).

**5.2. Special hazards arising from the substance or mixture**
In case of fire toxic gases can be released.

**5.3. Advice for firefighters**
Wear self-contained breathing apparatus.
Wear protective equipment.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**
Wear protective equipment.
Avoid contact with skin and eyes.
Keep unprotected persons away.
Danger of slipping on spilled product.

**6.2. Environmental precautions**
Do not empty into drains / surface water / ground water.
Inform authorities in the event of product spillage to water courses or sewage systems.

**6.3. Methods and material for containment and cleaning up**
Remove with liquid-absorbing material (sand, peat, sawdust).
Dispose of contaminated material as waste according to Chapter 13.

**6.4. Reference to other sections**
See advice in chapter 8

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**
Avoid open flames and sources of ignition.
Take measures to prevent the build-up of electrostatic charges.

Hygiene measures:
Wash hands before work breaks and after finishing work.
Do not eat, drink or smoke while working.

**7.2. Conditions for safe storage, including any incompatibilities**
Ensure good ventilation/extraction.

**7.3. Specific end use(s)**
Corrosion Protection Agents for Metals

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Occupational Exposure Limits**

Valid for
South Africa

| Ingredient | ppm | mg/m³ | Type | Category | Remarks |
|---|---|---|---|---|---|
| WHITE SPIRIT<br>64742-82-1 | 100 | 575 | Time Weighted Average (TWA): | | ZA REL |
| WHITE SPIRIT<br>64742-82-1 | 125 | 720 | Short Term Exposure Limit (STEL): | | ZA REL |

**Derived No-Effect Level (DNEL):**

| Name on list | Application Area | Route of Exposure | Health Effect | Exposure Time | Value | Remarks |
|---|---|---|---|---|---|---|
| Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene<br>64742-82-1 | worker | inhalation | Long term exposure - systemic effects | | 330 mg/m3 | |
| Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene<br>64742-82-1 | worker | dermal | Long term exposure - systemic effects | | 44 mg/kg bw/day | |
| Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene<br>64742-82-1 | general population | inhalation | Long term exposure - systemic effects | | 71 mg/m3 | |
| Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene<br>64742-82-1 | general population | dermal | Long term exposure - systemic effects | | 26 mg/kg bw/day | |
| Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene<br>64742-82-1 | general population | oral | Long term exposure - systemic effects | | 26 mg/kg bw/day | |

**Biological Exposure Indices:**
None

### 8.2. Exposure controls:

Engineering controls:
In case of aerosol forming ensure sufficient suction and ventilation.

Respiratory protection:
Suitable protective mask during fog or aerosol formation.

Hand protection:
Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Polychloroprene (CR; >= 1 mm thickness) or natural rubber (NR; >=1 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Polychloroprene (CR; >= 1 mm thickness) or natural rubber (NR; >=1 mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:
Goggles which can be tightly sealed.

Skin protection:
Wear protective equipment.
Protective clothing that covers arms and legs.

Advices to personal protection equipment:
Use only personal protection that's CE-labelled according to the regulation no. 819 of 19 August 1994.

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

| | |
|---|---|
| Appearance | aerosol<br>liquid<br>light brown |
| Odor | characteristic |
| Odour threshold | No data available / Not applicable |
| pH | No data available / Not applicable |
| Initial boiling point | Not applicable |
| Flash point | Not determinable. |
| Decomposition temperature | No data available / Not applicable |
| Vapour pressure | No data available / Not applicable |
| Density | No data available / Not applicable |
| Bulk density | No data available / Not applicable |
| Viscosity | No data available / Not applicable |
| Viscosity (kinematic) | No data available / Not applicable |
| Explosive properties | No data available / Not applicable |
| Solubility (qualitative) | No data available / Not applicable |
| Solidification temperature | No data available / Not applicable |
| Melting point | No data available / Not applicable |
| Flammability | No data available / Not applicable |
| Auto-ignition temperature | No data available / Not applicable |
| Explosive limits | No data available / Not applicable |
| Partition coefficient: n-octanol/water | No data available / Not applicable |
| Evaporation rate | No data available / Not applicable |
| Vapor density | No data available / Not applicable |
| Oxidising properties | No data available / Not applicable |

**9.2. Other information**

No data available / Not applicable

## SECTION 10: Stability and reactivity

**10.1. Reactivity**
Oxidizers.

**10.2. Chemical stability**
Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**
See section reactivity

**10.4. Conditions to avoid**
Temperatures over appr. 50 °C
Heat, flames, sparks and other sources of ignition.

**10.5. Incompatible materials**
None if used properly.

**10.6. Hazardous decomposition products**
No decomposition if used according to specifications.

## SECTION 11: Toxicological information

**11.1. Information on toxicological effects**

**General toxicological information:**

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

**Inhalative toxicity:**

Vapors may cause drowsiness and dizziness.

**Skin irritation:**

Repeated exposure may cause skin dryness or cracking.

**Germ cell mutagenicity:**

| Hazardous components CAS-No. | Result | Type of study / Route of administration | Metabolic activation / Exposure time | Species | Method |
|---|---|---|---|---|---|
| Isobutane 75-28-5 | negative with metabolic activation | in vitro mammalian chromosome aberration test | with and without | | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |
| Propane 74-98-6 | negative with metabolic activation | in vitro mammalian chromosome aberration test | with and without | | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |

## SECTION 12: Ecological information

**General ecological information:**

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.
Toxic to aquatic organisms
May cause long-term adverse effects in the aquatic environment.
Do not empty into drains, soil or bodies of water.

**12.1. Toxicity**

| Hazardous components CAS-No. | Value type | Value | Acute Toxicity Study | Exposure time | Species | Method |
|---|---|---|---|---|---|---|
| Sulfonic acids, petroleum, calcium salts, overbased 68783-96-0 | LC50 | > 100 mg/l | Fish | 96 h | Oncorhynchus mykiss | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Sulfonic acids, petroleum, calcium salts, overbased 68783-96-0 | EC50 | 3,3 mg/l | Daphnia | 24 h | Daphnia magna | |

**12.2. Persistence and degradability**

| Hazardous components CAS-No. | Result | Route of application | Degradability | Method |
|---|---|---|---|---|
| Sulfonic acids, petroleum, calcium salts, overbased 68783-96-0 | | aerobic | 9,1 % | OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test) |

**12.3. Bioaccumulative potential / 12.4. Mobility in soil**

| Hazardous components CAS-No. | LogKow | Bioconcentration factor (BCF) | Exposure time | Species | Temperature | Method |
|---|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| Isobutane<br>75-28-5 | 2,88 | | | | 20 °C | OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method) |
| Sulfonic acids, petroleum, calcium salts, overbased<br>68783-96-0 | 19,7 | | | | | OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method) |

**12.5. Results of PBT and vPvB assessment**

| **Hazardous components**<br>**CAS-No.** | **PBT/vPvB** |
|---|---|
| Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene<br>64742-82-1 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| Propane<br>74-98-6 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |

**12.6. Other adverse effects**

No data available.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

Product disposal:

In consultation with the responsible local authority, must be subjected to special treatment.

Waste code

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

08 04 09 Waste adhesives and sealants containing organic solvents or other dangerous substances

## SECTION 14: Transport information

**14.1. UN number**

| | |
|---|---|
| ADR | 1950 |
| RID | 1950 |
| ADNR | 1950 |
| IMDG | 1950 |
| IATA | 1950 |

**14.2. UN proper shipping name**

| | |
|---|---|
| ADR | AEROSOLS |
| RID | AEROSOLS |
| ADNR | AEROSOLS |
| IMDG | AEROSOLS (Solvent naphtha) |
| IATA | Aerosols, flammable |

**14.3. Transport hazard class(es)**

| | |
|---|---|
| ADR | 2 |
| | 2.1 |
| RID | 2 |
| | 2.1 |
| ADNR | 2 |
| | 2.1 |
| IMDG | 2.1 |
| | 2.1 |
| IATA | 2.1 |
| | 2.1 |

**14.4. Packaging group**

| | |
|---|---|
| ADR | |
| RID | |
| ADNR | |
| IMDG | |
| IATA | |

**14.5. Environmental hazards**

| | |
|---|---|
| ADR | Environmentally Hazardous |
| RID | Environmentally Hazardous |
| ADNR | Environmentally Hazardous |
| IMDG | Environmentally Hazardous |
| IATA | not applicable |

**14.6. Special precautions for user**

| | |
|---|---|
| ADR | not applicable |
| | Tunnelcode: (D) |
| RID | not applicable |
| ADNR | not applicable |
| IMDG | not applicable |
| IATA | 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**

VOC content 76,7 %

(VOCV 814.018 VOC regulation
CH)

**15.2. Chemical safety assessment**

A chemical safety assessment has not been carried out.

## SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text
of all abbreviations indicated by codes in this safety data sheet are as follows:

R10 Flammable.
R12 Extremely flammable.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53 May cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
H220 Extremely flammable gas.
H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.

**Further information:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.