

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

RG-1100 Regular Grade Anti-Seize

Product no.

1203 (250g), 1204 (500g), 99540 (2kg)

REACH registration number

Not applicable

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

Relevant identified uses of the substance or mixture

Assembly paste

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

ITW Spraytec Nordic
Priorsvej 36
8600 Silkeborg
Tlf.: +45 86 82 64 44
SDS info.: www.itwinfo.dk

Contact person

Kundeservice: Tlf: (+45) 8682 6444

E-mail

info@itw-spraytec.dk

SDS date

2018-01-15

SDS Version

4.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Aquatic Chronic 2; H411

See full text of H-phrases in section 2.2.

2.2. Label elements

▼Hazard pictogram(s)**Signal word**

-

Hazard statement(s)

Toxic to aquatic life with long lasting effects. (H411)

Safety statement(s)

General

Prevention

Response

-

Avoid release to the environment. (P273).

Collect spillage. (P391).

Storage

Disposal

-
Dispose of contents/container to an approved waste disposal plant. (P501).

▼ **Identity of the substances primarily responsible for the major health hazards**

Not applicable

▼ **2.3. Other hazards**

Not applicable

▼ **Additional labelling**

Not applicable

▼ **Additional warnings**

Not applicable

VOC

Not applicable

SECTION 3: Composition/information on ingredients

▼ **3.1/3.2. Substances/Mixtures**

NAME: Hydrocarbons, C9-16, hydrotreated, dearomatized
IDENTIFICATION NOS.: CAS-no: 93763-35-0 EC-no: 297-854-1 Index-no: 649-429-00-0
CONTENT: 40-60%
CLP CLASSIFICATION: Asp. Tox. 1
H304

NAME: zinc oxide
IDENTIFICATION NOS.: CAS-no: 1314-13-2 EC-no: 215-222-5 Index-no: 030-013-00-7
CONTENT: 5 - <10%
CLP CLASSIFICATION: Aquatic Acute 1, Aquatic Chronic 1
H400, H410

NAME: Aluminium powder (stabilised)
IDENTIFICATION NOS.: CAS-no: 7429-90-5 EC-no: 231-072-3 Index-no: 013-002-00-1
CONTENT: 5 - <10%
CLP CLASSIFICATION: Flam. Sol. 1, Water-react. 2
H228, H261

NAME: copper
IDENTIFICATION NOS.: CAS-no: 7440-50-8 EC-no: 231-159-6
CONTENT: 5 - <10%
CLP CLASSIFICATION: Aquatic Acute 1, Aquatic Chronic 3
H400, H412

NAME: Naphtha (petroleum), hydrotreated light (<0,1 % w/w benzene (EINECS No 200-753-7)).
IDENTIFICATION NOS.: CAS-no: 64742-49-0 EC-no: 265-151-9 Index-no: 649-328-00-1
CONTENT: 1 - <2.5%
CLP CLASSIFICATION: Flam. Liq. 2, STOT SE 3, Skin Irrit. 2, Asp. Tox. 1, Aquatic Chronic 2
H225, H304, H315, H336, H411

NAME: Phosphorodithioic acid, mixed, O,O-bis, iso-Bu, and, pentyl, esters, zinc, salts
IDENTIFICATION NOS.: CAS-no: 68457-79-4 EC-no: 270-608-0
CONTENT: 0.25 - <1%
CLP CLASSIFICATION: Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 2
H315, H318, H411

(*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

Skin Cat. 2 Sum = $\sum(C_i/S(G)CL_i) = 0,192 - 0,288$
N chronic (CAT 2) Sum = $\sum(C_i/(M(\text{chronic})^i \cdot 25) \cdot 0,1 \cdot 10^{\wedge} CAT_i) = 3,2448 - 4,8672$
N acute (CAT 1) Sum = $\sum(C_i/M(\text{acute})^i \cdot 25) = 0,6336 - 0,9504$

SECTION 4: First aid measures

4.1. Description of first aid measures

▼ **General information**

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.
The doctor can contact The National Poisons Information Service (dial 111, 24 h service).
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

▼ **Inhalation**

Bring the person into fresh air and stay with him/her.

▼ **Skin contact**

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

▼ **Eye contact**

Remove contact lenses and open eyes widely. Flush eyes with water or saline water (20-30°C) for at least 15 minutes. Seek medical assistance and continue flushing during transport.

▼ **Ingestion**

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Not applicable

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

Nothing special

▼ **4.3. Indication of any immediate medical attention and special treatment needed**

Nothing special

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

▼ **5.1. Extinguishing media**

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

▼ **5.2. Special hazards arising from the substance or mixture**

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Some metal oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

▼ **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

▼ **6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment.

▼ **6.3. Methods and material for containment and cleaning up**

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

▼ **6.4. Reference to other sections**

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

▼ **7.1. Precautions for safe handling**

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment. See section on 'Exposure controls/personal protection' for information on personal protection.

▼ **7.2. Conditions for safe storage, including any incompatibilities**

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

< 50°C

▼ 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

▼ OEL

copper

Long-term exposure limit (8-hour TWA reference period): - ppm | 0.2/1 mg/m³

Short-term exposure limit (15-minute reference period): - ppm | /2 mg/m³

Comments: Fume/dust

Aluminium powder (stabilised)

Long-term exposure limit (8-hour TWA reference period): - ppm | - mg/m³

Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

▼ DNEL / PNEC

DNEL (Naphtha (petroleum), hydrotreated light (<0,1 % w/w benzene (EINECS No 200-753-7))): 447 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Naphtha (petroleum), hydrotreated light (<0,1 % w/w benzene (EINECS No 200-753-7))): 2085 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

8.2. Exposure controls

▼ Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.

General recommendations

▼ Observe general occupational hygiene standards.

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

▼ Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

▼ Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

▼ Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

▼ Measures to avoid environmental exposure

Keep containment materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

Recommended: A. Class 2 (medium capacity). Brown

Skin protection

No specific requirements.

▼ Hand protection

Recommended: Neoprene. See the manufacturer's instructions.

▼ Eye protection

Wear safety goggles if there is a risk of eye splash.

SECTION 9: Physical and chemical properties

▼ 9.1. Information on basic physical and chemical properties

Form

Pasta

Colour	Gray
Odour	Characteristic
Odour threshold (ppm)	No data available.
pH	No data available.
Viscosity (40°C)	No data available.
Density (g/cm ³)	1,21
▼ Phase changes	
Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.
▼ Data on fire and explosion hazards	
Flash point (°C)	210
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.
▼ Solubility	
Solubility in water	Insoluble
n-octanol/water coefficient	No data available.
▼ 9.2. Other information	
Solubility in fat (g/L)	No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

▼ 10.2. Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

▼ 10.3. Possibility of hazardous reactions

Nothing special

▼ 10.4. Conditions to avoid

Nothing special

▼ 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

▼ Acute toxicity

Substance: Naphtha (petroleum), hydrotreated light (<0,1 % w/w benzene (EINECS No 200-753-7)).

Species: Rabbit

Test: LD50

Route of exposure: Dermal

Result: > 2000 mg/kg

Substance: Naphtha (petroleum), hydrotreated light (<0,1 % w/w benzene (EINECS No 200-753-7)).

Species: Rat

Test: LD50

Route of exposure: Oral

Result: > 5000 mg/kg

Substance: copper

Species: Mouse

Test: LD50

Route of exposure: Intraperitoneal

Result: 3500 µg/kg

Substance: zinc oxide

Species: Mouse

Test: LD50

Route of exposure: Oral

Result: 7950 mg/kg

Substance: zinc oxide
Species: Mouse
Test: LC50
Route of exposure: Inhalation
Result: 2500 mg/m3

Substance: zinc oxide
Species: Rat
Test: LD50
Route of exposure: Intraperitoneal
Result: 240 mg/kg

▼ **Skin corrosion/irritation**

No data available.

Serious eye damage/irritation

No data available.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

▼ **Long term effects**

Nothing special

SECTION 12: Ecological information

▼ **12.1. Toxicity**

Substance: copper
Species: Daphnia
Test: EC50
Duration: 48 h
Result: 76 µg/L

Substance: copper
Species: Fish
Test: LC50
Duration: 96 h
Result: 90 µg/L

Substance: Aluminium powder (stabilised)
Species: Daphnia
Test: LC50
Duration: 24 h
Result: 2600 µg/L

Substance: Aluminium powder (stabilised)
Species: Fish
Test: LC50
Duration: 96 h
Result: 120 µg/L

Substance: zinc oxide
Species: Daphnia
Test: LC50
Duration: 48 h
Result: 2600 µg/L

Substance: zinc oxide
Species: Fish
Test: LC50
Duration: 96 h
Result: 1100 µg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
No data available.			
12.3. Bioaccumulative potential			
Substance	Potential bioaccumulation	LogPow	BCF
No data available.			
12.4. Mobility in soil			
No data available			
▼ 12.5. Results of PBT and vPvB assessment			
This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.			
▼ 12.6. Other adverse effects			
This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.			
This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment,			

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

Waste

EWC code

070699

Specific labelling

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▼ Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 – 14.4

This product is within scope of the regulations of transport of dangerous goods.

ADR/RID

14.1. UN number	3077
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Packaging under 5 kg/L are exempt)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
Notes	-
Tunnel restriction code	D

IMDG

UN-no.	3077
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Packaging under 5kg/L are exempt)
Class	9
PG*	III
EmS	F-A, S-F
MP**	Yes
Hazardous constituent	Zinc oxide

▼ IATA/ICAO

UN-no.	3077
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Packaging under 5kg/L are exempt)
Class	9
PG*	III

▼ 14.5. Environmental hazards

This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment,

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

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

Restrictions for application

-

Demands for specific education

-

Additional information

Not applicable

Seveso

Sources

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP). EC regulation 1907/2006 (REACH). The Control of Major Accident Hazards (COMAH) Regulations 2015.

15.2. Chemical safety assessment

No

SECTION 16: Other information

▼ Full text of H-phrases as mentioned in section 3

H225 - Highly flammable liquid and vapour.
H228 - Flammable solid.
H261 - In contact with water releases flammable gases.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H336 - May cause drowsiness or dizziness.
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.

The full text of identified uses as mentioned in section 1

-

Additional label elements

Not applicable

Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:
The classification of the mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The safety data sheet is validated by

MJH

Date of last essential change (First cipher in SDS version)

2015-11-10(3.0)

Date of last minor change (Last cipher in SDS version)

2015-11-10