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

1.1. Product identifier

Name of product

Anti-Seize AS 200 Presspack
Code-Nr. 260001

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

Recommended intended purpose(s)
Technical Aerosols
Corrosion Protection and Lubricant

1.3. Details of the supplier of the safety data sheet

Distributor

WEICON GmbH & Co. KG
Königsberger Str. 255, DE-48157 Münster
Phone : +49(0)251 / 9322 - 0, Fax : +49(0)251 / 9322 - 244
E-Mail : msds@weicon.de
Internet : www.weicon.de

Advice

Produktsicherheit / Product-Safety-Department
Phone : +49(0)251 / 9322 - 0
Fax : +49(0)251 / 9322 - 244
E-mail (competent person):
msds@weicon.de

1.4. Emergency telephone number

EMERGENCY CONTACT - UK, UAE, South Africa (24h): Tel: ++44 1865 407333 (English)
TRANSPORT EMERGENCY CONTACT - UK, UAE, South Africa (24h): Tel: ++44 1865 407333 (English)

Manufacturer

WEICON GmbH & Co. KG
Königsberger Str. 255, DE-48157 Münster

1.4. Emergency telephone number

GIFTNOTRUF/TRANSPORTNOTRUF - Deutschland (24h):
Tel: ++49 69 222 25285 (Deutsch, Englisch)

! SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

! Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Aerosol 3	**H229**	
Eye Dam. 1	**H318**	
Aquatic Acute 1	**H400**	
Aquatic Chronic 2	**H411**	

Hazard Statements

H229	Pressurised container: May burst if heated.
H318	Causes serious eye damage.

H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

2.2. Label elements
Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

GHS05 GHS09

! **Signal word**
Danger

Hazard Statements

H229	Pressurised container: May burst if heated.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye 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.
P310	Immediately call a POISON CENTER or doctor/physician.
P391	Collect spillage.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501	Dispose of contents/container to hazardous or special waste collection point.

Hazardous ingredients for labeling
calcium dihydroxide

Special rules for supplemental label elements for certain mixtures
Contains Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts. May produce an allergic reaction.

2.3. Other hazards
Results of PBT and vPvB assessment
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

! SECTION 3: Composition/ information on ingredients

3.1. Substances
not applicable

3.2. Mixtures
Description
Preparation of inorganic thickener in synthetic oil with additives.
Two-Chamber-Can:

! Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
7429-90-5	231-072-3	aluminium powder (stabilised)	< 5	Flam. Sol. 1, H228 /
1314-13-2	215-222-5	zinc oxide	< 3,5	Aquatic Acute 1, H400 M=1 / Aquatic Chronic 1, H410 M=1
7440-50-8	231-159-6	Copper	< 5	Acute Tox. 4, H302 / Aquatic Acute 1, H400 M=10 / Aquatic Chronic 2, H411
1305-62-0	215-137-3	calcium hydroxide	< 10	Eye Dam. 1, H318 / Skin Irrit. 2, H315 / STOT SE 3, H335
1645-83-6	471-480-0	HFO-1234ze	1 - 5	Liquefied Gas, H280

REACH

CAS No	Name	REACH registration number
7429-90-5	aluminium powder (stabilised)	01-2119529243-45
1314-13-2	zinc oxide	01-2119463881-32
7440-50-8	Copper	01-2119480154-42
1305-62-0	calcium hydroxide	01-2119475151-45
1645-83-6	HFO-1234ze	01-0000019758-54-0000

SECTION 4: First aid measures

4.1. Description of first aid measures

General information
Remove moisted clothing immediately.

In case of inhalation
Ensure of fresh air.
In the event of symptoms refer for medical treatment.

In case of skin contact
In case of contact with skin wash off immediately with soap and water.
Consult a doctor if skin irritation persists.

In case of eye contact
In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion
Do not induce vomiting.
If swallowed seek medical advice immediately and show the doctor packing or label.

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

No information available.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Alcohol-resistant foam
Dry powder
Carbon dioxide
Water spray jet

Unsuitable extinguishing media
Full water jet

5.2. Special hazards arising from the substance or mixture
Metal oxides
Danger of bursting
In case of fire formation of dangerous gases possible.
Nitrogen oxides (NOx)
Carbon monoxide (CO)
Carbon dioxide (CO2)

5.3. Advice for firefighters
Special protective equipment for fire-fighters
Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.
Do not inhale explosion and/or combustion gases.

Additional information
Cool endangered containers with water spray jet.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.
Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
For non-emergency personnel
Use personal protective clothing.
Keep away sources of ignition.
Use breathing apparatus if exposed to vapours/dust/aerosol.
Pay attention to extension of gas especially at ground (heavier than air) and in direction of the wind.
High risk of slipping due to leakage/spillage of product.

6.2. Environmental precautions
Inform pollution control authorities if product gets into the sewerage systems or open waters.
Do not discharge into the drains or bodies of water..
Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up
Take up mechanically and send for disposal.

Additional Information
Sort out leaky cans and dispose according to regulations.

6.4. Reference to other sections
Safe handling: see section 7
Disposal: see section 13
Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Advice on safe handling
Use only in well-ventilated areas.

General protective measures
Avoid contact with eyes and skin
Do not inhale gases/vapours/aerosols.

Hygiene measures
At work do not eat, drink and smoke.
Wash hands and skin before breaks and after work.

Advice on protection against fire and explosion
Keep away from sources of ignition - No smoking
Protect from heat and sunlight.
Pay attention to general rules of internal fire prevention.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels
Adhere to administrative regulations relating to storage of compressed gas cylinders / containers.

Advice on storage compatibility
Do not store with acids.
Do not store together with animal feedstuffs.
Do not store together with food.
Do not store together with oxidizing agents.

Further information on storage conditions
Keep container tightly closed and store at cool and aired place.
Protect from frost.
Protect from heat and direct solar radiation.
Recommended storage temperature: room temperature.

7.3. Specific end use(s)
Recommendation(s) for intended use
See section 1.2

! SECTION 8: Exposure controls/personal protection

8.1. Control parameters
! Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
1305-62-0	Calcium hydroxide	8 hours	5		EH40/2005
7440-50-8	Copper: fume	8 hours Short-term	0.2 2		EH40/2005
7440-50-8	Copper: dusts and mists (as Cu)	8 hours	1		EH40/2005

DNEL-/PNEC-values
DNEL worker

CAS No	Substance name	Value	Code	Remark
1305-62-0	calcium hydroxide	1 mg/m3	DNEL long-term inhalative (local)	
		4 mg/m3	DNEL acute inhalative (systemic)	
		4 mg/m3	DNEL acute inhalative (local)	
		1 mg/m3	DNEL long-term inhalative (systemic)	
7429-90-5	aluminium powder (stabilised)	3,72 mg/m3	DNEL long-term inhalative (local)	
7440-50-8	Copper	20 mg/m3	DNEL acute inhalative (systemic)	
		273 mg/kg	DNEL acute dermal, short-term (systemic)	
		137 mg/kg	DNEL long-term dermal (systemic)	

PNEC

CAS No	Substance name	Value	Code	Remark
1305-62-0	calcium hydroxide	0,49 mg/l	PNEC aquatic, intermittent release	
		0,49 mg/l	PNEC aquatic, freshwater	

DNEL-/PNEC-values (continued)

CAS No	Substance name	Value	Code	Remark
		0,32 mg/l	PNEC aquatic, marine water	
		3 mg/l	PNEC sewage treatment plant (STP)	
		1080 mg/kg	PNEC soil, freshwater	
7429-90-5	aluminium powder (stabilised)	0,0749 mg/l	PNEC aquatic, freshwater	
		20 mg/l	PNEC sewage treatment plant (STP)	
7440-50-8	Copper	65,5 mg/kg	PNEC soil, freshwater	
		87 mg/kg	PNEC sediment, freshwater	
		0,0052 mg/l	PNEC aquatic, marine water	
		676 mg/kg	PNEC sediment, marine water	
		0,23 mg/l	PNEC sewage treatment plant (STP)	
		0,0078 mg/l	PNEC aquatic, freshwater	

! **Additional advice**
The statutory local and national regulations have to be observed.

8.2. Exposure controls
Respiratory protection
Not required

Hand protection
In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.
Glove material specification [make/type, thickness, permeation time/life, wetting resistance]:: Nitrile rubber; 0,4mm; 480min;60min.
Chemical protective gloves must be chosen carefully in view of their design and depending on the dependence on the concentration and amounts of dangerous goods used in the specific working tasks.

Eye protection
tightly fitting goggles

Other protection measures
protective clothing

Appropriate engineering controls
Sufficient ventilation and exhaustion.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Colour	Odour
aerosol	grey	like mineral oil

Odour threshold
not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not determined				

	Value	Temperature	at	Method	Remark
boiling point	not applicable				
melting point	not determined				
Flash point	ca. 170 °C				basic oil
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not applicable				
Self ignition temperature					The product is not self-igniting.
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Relative density	ca. 1,2 g/cm3	20 °C		DIN 51757	active agent
Vapour density	not determined				
Solubility in water					insoluble
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity dynamic	not determined				
Viscosity kinematic	not determined				

Oxidising properties
No information available.

Explosive properties
No information available.

9.2. Other information
No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No information available.

10.2. Chemical stability
No information available.

10.3. Possibility of hazardous reactions
Reactions with strong acids.
Reactions with strong oxidising agents.

10.4. Conditions to avoid
Keep away from heat.

10.5. Incompatible materials
Substances to avoid
Acid
Oxidising agent, strong

10.6. Hazardous decomposition products
Carbon monoxide and carbon dioxide.
Nitrous oxides (NOx)

Thermal decomposition

Remark No decomposition if used as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
Skin irritation	low irritant effect - not necessary to label			
Eye irritation	risk of strong eye injuries			
Skin sensitization	non-sensitizing			

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Mutagenicity				No experimental information on genotoxicity in vitro available.
Reproduction-Toxicity				No indications of toxic effects were observed in reproduction studies in animals.
Carcinogenicity				No indications of carcinogenic effects are available from long-term trials.

Experiences made from practice
Risk of strong eye injuries.
Frequent persistent contact with the skin may cause skin irritation.

Additional information
The product is to be handled with the caution usual with chemicals.
Other hazardous properties may not be excluded.

The product has not been tested. The information is derived from the properties of the individual components.

SECTION 12: Ecological information

12.1. Toxicity
No information available.

12.2. Persistence and degradability
No information available.

12.3. Bioaccumulative potential
The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

12.4. Mobility in soil
No information available.

12.5. Results of PBT and vPvB assessment
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects
General regulation
Very toxic to aquatic life with long lasting effects.
Do not allow uncontrolled leakage of product into the environment.
Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.
The ecotoxic effect of the product has not been tested. The information on this is given on the basis of details in the literature.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.	Name of waste
12 01 12*	spent waxes and fats
16 05 04*	gases in pressure containers (including halons) containing hazardous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product
Remove in accordance with local official regulations.
Dispose of as hazardous waste.

Recommendations for packaging
Dispose of according to the local waste regulations.
Packaging that cannot be cleaned should be disposed of like the product.

General information
For proper waste disposal a complete emptying of the tin is necessary.
Assignment to a waste code number / waste identification according to the EWC is to be carried out on a sector or process-specific basis.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	1950	1950	1950

	ADR/RID	IMDG	IATA-DGR
14.2. UN proper shipping name	AEROSOLS (copper, zinc oxide)	AEROSOLS (copper, zinc oxide)	Aerosols, flammable (copper, zinc oxide)
14.3. Transport hazard class(es)	2.1	2.1	2.1
14.4. Packing group	-	-	-
14.5. Environmental hazards	Yes	Yes	Yes

14.6. Special precautions for user
No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
not applicable

Land and inland navigation transport ADR/RID
Hazard label(s) 2.1
tunnel restriction code D
Classification code 5F

Marine transport IMDG
MARINE POLLUTANT

SECTION 15: Regulatory information

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

VOC standard
VOC content 0 %

15.2. Chemical Safety Assessment
Chemical safety assessments for substances in this mixture were not carried out.

! SECTION 16: Other information

! **Recommended uses and restrictions**
National and local regulations concerning chemicals shall be observed.
For industrial use only.

Further information
Each user is responsible for the implementation of the national special regulations.
The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.
Please observe the following disclaimer! --- Our safety data sheets have been compiled according to effective EU-directives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.4

H228 Flammable solid.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
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.