

Safety data-sheet (91/155 EEC)

Printed 30.06.2003

Revision 20.06.2002 (GB) Version 0.0

**Anti-Seize "High-Tech" Assembly Spray ASW 400,
400 ml**

1. Identification of the substance/preparation

Name of product

Anti-Seize "High-Tech" Assembly Spray ASW 400, 400 ml
Code-Nr. 27050

Manufacturer/distributor

CONEXA GmbH
Präzisionsarmaturen
D-34393 Hann. Münden, PF 13 08
Vorn Berge 1
D-34346 Hann. Münden

Advice

Emergency advice

Informationszentrale gegen Vergiftungen - Bonn
Phone ++49(0)228-19 240

2. Composition/information on ingredients

Chemical characterization

Lubrication spray based on solvents. Propellant: propane / butane.

Hazardous ingredients

CAS-No.	EC-No.	Name	[% weight]	Classification
001305-62-0		calcium hydroxide		Xi,R41
061641-74-5	11	propane/butane-mixture	40-50	F+,R12
064742-49-0		Naphtha (petroleum), hydrotreated	15 - 20	F, Xn, N,R11-38-51/53-65-67

3. Special hazards information for man and environment

R-phrases

- 12 Extremely flammable.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Special hazards information for humans and environment

In extensive use, formation of flammable / explosive vapour-air mixture is possible.

4. First aid measures

General information

Remove moisted clothing immediately.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.
In the event of symptoms refer for medical treatment.

In case of skin contact

Treat skin with cream.
In case of contact with skin wash off with soap and water.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion

Do not induce vomiting.
Medical treatment.

Physician's information / possible symptoms

The following symptoms may occur:

Unconsciousness
Anaesthetic state
Headache
Confusion
Dizziness

5. Fire-fighting measures

Suitable extinguishing material

Foam
Dry powder
Carbon dioxide

Extinguishing material that may not be used for safety reasons

Full water jet

Special exposure hazards arising from the substance, combustible products or resulting gases

Fire gas of organic material has to be classed invariably as respiratory poison.

Special protective equipment for firefighters

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.

6. Accidental release measures

Personal precautions

High risk of slipping due to leakage/spillage of product.

Environmental precautions

Do not discharge into the drains or bodies of water..

Methods for cleaning up/taking up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).
After taking up the material dispose according to regulation.

Additional information

Sort out leaky cans and dispose according to regulations.

7. Handling and storage

Advice on safe handling

Care for thoroughly room ventilation, if necessary suck off at workplace.
Provide good room ventilation even at ground level (vapours are heavier than air).

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking
Do not spray into flames or any incandescent material.
Do not pierce or burn even after use.
The product is combustible.
Vapours can form an explosive mixture with air.
Avoid effect of heat.

Requirements for storage rooms and vessels

Keep in closed original container.
Adhere to administrative regulations relating to storage of compressed gas cylinders / containers.

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400 ml****Advice on storage compatibility**

Do not store with combustible materials.

Further information on storage conditions

Protect from heat and direct solar radiation.

Storage temperature may not exceed 50°C (=122°F).

Store container at cool and aired place.

Keep in a cool place.

Storage group 2B**Fire class** C**8. Exposure controls / personal protection****Ingredients with occupational exposure limits to be monitored**

CAS-No.	Name	Code	[mg/m ³]	[ml/m ³]	Remark
	Kohlenwasserstoffgemische, additiv-frei (in der Regel Verwendung als Lösemittel) - Gruppe 1 aromatenfreie oder entaromatisierte Kohlenwasserstoff-Gemische mit einem Gehalt an: Aromaten < 1%, n-Hexan < 5%, Cyclo-/Isohexane < 25%	TLV	1000	200	
000074-98-6	propane	TLV			Asphyxiant (see Appendix 1)
000106-97-8	butane	TLV	1450	600	
001305-62-0	Calciumdihydroxid	EG	5 E		
064742-49-0	Kohlenwasserstoffdämpfe Gr. 1 (TRGS 404)	TLV		350	

Respiratory protection

If ventilation insufficient, wear respiratory protection.

Breathing apparatus

Hand protection

Protective gloves

Eye protection

safety goggles

Skin protection

protective clothing

General protective measures

Do not inhale gases.

Do not inhale aerosols

Hygiene measures

At work do not eat, drink and smoke.

Wash hands before breaks and after work.

9. Physical and chemical properties**Form**
aerosol**Colour**
grey**Odour**
solvent-like**Data relevant for safety**

	Value	Temperature	at	Method	Remark
Combustion temperature	> 250 °C				

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	Value	Temperature	at	Method	Remark
Lower explosion limit	0,6 Vol-%				
Vapour pressure	3,5 bar	20 °C			
Density	1,4 g/ml	20 °C			calculated
Solubility in water					insoluble

Explosive properties

The product is considered non-explosive ; nevertheless explosive vapour/air mixtures can be generated .

10. Stability and reactivity**Conditions to avoid**

Keep away from heat.

Formation of explosive gas/air mixtures.

Materials to avoid

Reactions with acids, alkalies and oxidising agents.

Hazardous decomposition products

carbon monoxide and carbon dioxide

Thermal decomposition

Remark No decomposition if suitable use.

11. Toxicological information**Acute toxicity/Irritability/Sensitization**

	Value/Validation	Species	Method	Remark
Irritability skin	low irritant effect - not necessary to label			
Irritability eye	low irritant - no labeling duty			

Experiences made from practice

Irritates mucous membranes.

Inhalation causes narcotic effect/intoxication.

12. Ecological information**General regulation**

Do not discharge product unmonitored into the environment.

Product is not allowed to discharge into aquatic environment.

13. Disposal considerations**Waste code No.**

15 01 04

Name of waste

metallic packaging

Recommendations for the product

Remove in accordance with local official regulations.

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**Anti-Seize "High-Tech" Assembly Spray ASW 400,
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Dispose of according to the local waste regulations.

General information

For proper waste disposal a complete emptying of the tin is necessary.

14. Transport information**Land and inland navigation transport (ADR/RID/GGVS/GGVE/ADNR)**

Identification	AEROSOLS
UN-No.	1950
Class	2
Remarks	transport in "limited quantities" according to 3.4 ADR LQ2 is possible

Marine transport IMDG/GGV See

Proper shipping name	AEROSOLS
UN-No.	1950
Class	2.1
PG	-
Marine pollutant	No
EmS-No.	2-13

Air transport ICAO/IATA

Proper shipping name	AEROSOLS FLAMMABLE
UN/ID-No.	1950
Class	2.1
PG	-

15. Regulatory information**Remarks for classification**

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

Classification

F+ Extremely flammable

R-phrases

12	Extremely flammable.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases

16	Keep away from sources of ignition - No smoking.
2	Keep out of the reach of children.
23.4	Do not breathe spray.
51	Use only in well-ventilated areas.

Hazardous ingredients for labeling

Naphtha (petroleum), hydrotreated

Special labelling for certain preparations

Container is under pressure. Protect from sun and temperatures above 50°C. Do not open with force or incinerate even after use. Do not spray into flames or onto glowing objects.

Do not spray into flames or onto glowing objects.

Without sufficient ventilation the formation of explosive vapour/air mixtures cannot be excluded.

Keep away from heat sources - Do not smoke. Keep out of children's reach.

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National regulations

Restriction of occupation

Adhere to national laws relating to employment limitation.

**Decree for case of interference/
remarks**

Accident decree, addendum II: no. 2

**Classification according to VbF/
remarks**

VbF: is not subject to decree for combustible liquids.

Water hazard class

2 Auto-classification VwVwS (RFA)
polluting substance

16. Other information

Recommend uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further Information

The information in this Safety Data Sheet is based on our present knowledge. However, it does not represent a guarantee for any specific product features and does not establish a contractual relationship.

Wording of the R-phrases specified in chapter 2 (not the classification of the formulation!)

R 11 Highly flammable.

R 12 Extremely flammable.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful: may cause lung damage if swallowed.

R 67 Vapours may cause drowsiness and dizziness.