

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Name of product Assembly Spray 400
270500-201471

1.2. Relevant identified uses of the substance or mixture and uses advised against**Recommended intended purpose(s)**

Corrosion Protection and Lubricant

1.3. Details of the supplier of the safety data sheet**Manufacturer/distributor**

HANSA-FLEX AG
Zum Panrepel 44, D-28307 Bremen
Phone 0421/489070, Fax 0421/4890788
E-Mail info@hansa-flex.com
Internet www.hansa-flex.com

Advice

Produktinformation
Phone +49(0)421/48907-0
Fax +49(0)421/48907-88
E-mail (competent person):
info@hansa-flex.com

1.4. Emergency telephone number**Emergency advice**

Giftinformationszentrum Nord GIZ-Nord
Phone +49(0)551-19 240

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to 67/548/EEC or 1999/45/EC**

F+; R12

R52/53

R67

R-phrases

12

Extremely flammable.

52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

67

Vapours may cause drowsiness and dizziness.

2.2. Label elements**Labelling according to 1999/45/EC****Remarks for labelling**

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

F+ Extremely flammable

R-phrases

12

Extremely flammable.

52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

67

Vapours may cause drowsiness and dizziness.

S-phrases

23

Do not breathe spray.

51

Use only in well-ventilated areas.

Special rules for supplemental label elements for certain mixtures

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.

Without sufficient ventilation the formation of explosive vapour/air mixtures cannot be excluded. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

2.3. Other hazards**Information pertaining to special dangers for human and environment**

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

Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

SECTION 3: Composition/ information on ingredients**3.1. Substances**

not applicable

3.2. Mixtures**Description**

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

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
67-63-0	200-661-7	propan-2-ol	< 2	F R11; Xi R36; R67
1305-62-0	215-137-3	calcium hydroxide	< 2	Xi, R38-41
61641-74-5		propane/butane-mixture	40-50	F+, R12
64742-49-0	265-151-9	Naphtha (petroleum) hydrotreated light; naphtha hydrotreated, low-boiling (note P)	15 - 19	F R11; Xn R65; Xi R38; N R51/53; R67

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
67-63-0	200-661-7	propan-2-ol	< 2	Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336
1305-62-0	215-137-3	calcium hydroxide	< 2	Skin Irrit. 2, H315 / Eye Dam. 1, H318
61641-74-5		propane/butane-mixture	40-50	Flam. Gas 1, H220 / Press Gas, H280
64742-49-0	265-151-9	Naphtha (petroleum) hydrotreated light; naphtha hydrotreated, low-boiling (note P)	15 - 19	Skin Irrit. 2, H315 / Aquatic Chronic 2, H411 / STOT SE 3, H336 / Asp. Tox. 1, H304

REACH

CAS No	Name	REACH registration number
64742-49-0	Naphtha (petroleum) hydrotreated light; naphtha hydrotreated, low-boiling (note P)	01-2119475514-xxxx

SECTION 4: First aid measures**4.1. Description of 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

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.

4.2. Most important symptoms and effects, both acute and delayed**Physician's information / possible symptoms**

The following symptoms may occur:

Unconsciousness
Anaesthetic state
Headache
Confusion
Dizziness

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**

Foam
Dry powder
Carbon dioxide

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

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

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.

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

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

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning 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.

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Provide good room ventilation even at ground level (vapours are heavier than air).

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.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking
Do not spray on a naked flame 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.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

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

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.

7.3. Specific end use(s)

No information available.

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
106-97-8	Butane	8 hours Short-term	1450 1810	600 750	EH40/2005
1305-62-0	Calcium hydroxide	8 hours	5		EH40/2005
67-63-0	propan-2-ol	8 hours Short-term	999 1250	400 500	EH40/2005

8.2. Exposure controls**Respiratory protection**

If ventilation insufficient, wear respiratory protection.
Breathing apparatus

Hand protection

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitrile rubber; 0,4mm;480min; 60min.

Eye protection

safety goggles

Skin protection

protective clothing

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	Colour	Odour
aerosol	grey	solvent-like

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
Ignition temperature	> 250 °C				
Lower explosion limit	0,6 Vol-%				
Vapour pressure	3,5 bar	20 °C			
Relative 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 .

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

No information available.

10.4. Conditions to avoid

Keep away from heat.

Formation of explosive gas/air mixtures.

10.5. Incompatible materials**Materials to avoid**

Reactions with acids, alkalies and oxidising agents.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Thermal decomposition

Remark No decomposition if used as directed.

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

Additional information

The product is to be handled with the caution usual with chemicals.

Other hazardous properties may not be excluded.

SECTION 12: Ecological information**12.1. Toxicity**

No information available.

12.2. Persistence and degradability

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

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6. Other adverse effects**General regulation**

Do not allow uncontrolled leakage of product into the environment.

Product is not allowed to be discharged into aquatic environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Waste code No.**

15 01 10*

Name of waste

packaging containing residues of or contaminated by dangerous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

Recommendations for the product

Remove in accordance with local official regulations.

Recommendations for packaging

Dispose of according to the local waste regulations.

General information

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

SECTION 14: Transport information**Land and inland navigation transport ADR/RID**

UN 1950 AEROSOLS, 2.1, (D), Classification code: 5F

transport in "limited quantities" according to 3.4 ADR is possible

Marine transport IMDG

UN 1950 AEROSOLS, 2.1

Air transport ICAO/IATA-DGR

UN 1950 Aerosols, flammable, 2.1

Special precautions for user

No information available.

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 standard****Remark**

Daten separat anfragen / Request data separately.

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.

Further information

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.

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 11 Highly flammable.

R 12 Extremely flammable.

R 36 Irritating to eyes.

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.

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.