

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Name of product**Corro Protection, Spray
115500-201471**1.2. Relevant identified uses of the substance or mixture and uses advised against****Recommended intended purpose(s)**

Technical Aerosols

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**Gif tinformationszentrum 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
Xi; R38
N; R51/53
R67**R-phrases**

12	Extremely flammable.
38	Irritating to skin.
51/53	Toxic 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
N	Dangerous for the environment
Xi	Irritant

R-phrases

12	Extremely flammable.
38	Irritating to skin.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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S-phrases

23	Do not breathe spray.
51	Use only in well-ventilated areas.
61	Avoid release to the environment. Refer to special instructions/safety data sheets.

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**

Mixture of active ingredients with propellant

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
61641-74-5		propane/butane-mixture	20-50	F+, R12
64742-82-1	265-185-4	Naphtha (petroleum), hydrotreated heavy (NOTA P)	10 - 25	Xn R65; R66-67; R10; N R51/53
64742-49-0	265-151-9	Naphtha (petroleum) hydrotreated light; naphtha hydrotreated, low-boiling (note P)	25 - 50	Xn R11; Xi R38; N R51/53 R66; R67

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
61641-74-5		propane/butane-mixture	20-50	Flam. Gas 1, H220 / Press Gas, H280
64742-82-1	265-185-4	Naphtha (petroleum), hydrotreated heavy (NOTA P)	10 - 25	Asp. Tox 1, H304 / STOT SE 3, H336 / Flam. Liq. 3, H226 / Aquatic Chronic 2, H411 / , EUH066
64742-49-0	265-151-9	Naphtha (petroleum) hydrotreated light; naphtha hydrotreated, low-boiling (note P)	25 - 50	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

Additional advice

< 0,1% Benzol (benzene)

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove contaminated soaked 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 with 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.

Rinse out mouth thoroughly with water.

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

The following symptoms may occur:

Delirious state

Anaesthetic state

Headache

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

water

5.2. Special hazards arising from the substance or mixture

Danger of bursting

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

5.3. Advice for firefighters**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Additional information

Cool endangered containers with water spray jet.

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

Ensure adequate ventilation.

Keep away sources of ignition.

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.

After taking up the material dispose according to regulation.

6.4. Reference to other sections

No information available.

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

Do not spray into flames or any incandescent material.

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

General protective measures

Avoid contact with eyes and skin

Do not inhale aerosols

Hygiene measures

At work do not eat, drink, smoke or take drugs.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

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.

Further information on storage conditions

Protect from direct solar radiation.

Keep container in a well-ventilated place

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

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

8.2. Exposure controls**Respiratory protection**

Environment-independent breathing apparatus.

If ventilation insufficient, wear respiratory protection.

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

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	clear	solvent-like

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
boiling point	-44 °C				
Flash point	< 0 °C				
Ignition temperature	200 °C				
Lower explosion limit	0,8 Vol-%				
Upper explosion limit	10,9 Vol-%				
Vapour pressure	3,5 hPa	20 °C			
Relative density	0,667 g/ml	20 °C			
Solubility in water					insoluble
Solvent concentration	86 %				
Solids content	14 %				

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

No information available.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity/Irritability/Sensitization**

	Value/Validation	Species	Method	Remark
Irritability skin	irritant			
Skin sensitization	non-sensitizing			

Experiences made from practice

Vapours may cause dizziness, headaches and tiredness
Has a degreasing effect on the skin.

Additional information

The product is to be handled with the caution usual with chemicals.
Other hazardous properties may not be excluded.
Labelling in compliance with the assessment procedure specified in the EC guidelines 1999/45/EC.

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), ENVIRONMENTALLY HAZARDOUS, Classification code: 5F
transport in "limited quantities" according to 3.4 ADR is possible

Marine transport IMDG

UN 1950 AEROSOLS (NAPHTHA (PETROLEUM)), 2.1

MARINE POLLUTANT: Yes

Air transport ICAO/IATA-DGR

UN 1950 Aerosols, flammable, 2.1

ENVIRONMENTALLY HAZARDOUS: Yes

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 10 Flammable.

R 11 Highly flammable.

R 12 Extremely flammable.

R 38 Irritating to skin.

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 66 Repeated exposure may cause skin dryness or cracking.

R 67 Vapours may cause drowsiness and dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

H220 Extremely flammable gas.

H226 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.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.