

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Name of product**Corro Protection Spray  
Code-Nr. Hansa**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 0421/48907-0, Fax 0421/48907-48  
E-Mail [info@hansa-flex.com](mailto:info@hansa-flex.com)  
Internet [www.hansa-flex.com](http://www.hansa-flex.com)**Advice**Produktinformation  
Phone +49(0)421/48907-0  
Fax +49(0)421/48907-88**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 Regulation (EC) No 1272/2008 [CLP/GHS]**

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Aerosol 1	H222, H229
Skin Irrit. 2	H315
STOT SE 3	H336
Aquatic Chronic 2	H411

**Hazard Statements**

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

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

GHS02



GHS07



GHS09

**Corro Protection Spray****Signal word**

Danger

**Hazard Statements**

- H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.  
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.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash hands thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P332 + P313 If skin irritation occurs: Get medical advice/attention.  
P362 Take off contaminated clothing.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.  
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**

Solvent naphtha (petroleum), medium aliph., Naphtha (petroleum), hydrodesulfurized heavy, Naphtha (petroleum), hydrotreated light

**2.3. Other hazards**

Product has an anesthetic effect.

**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**

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**

Mixture of active ingredients with propellant

**Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
74-98-6	200-827-9	propane	10 - 24,99	Flam. Gas 1, H220 / Press. Gas
106-97-8	203-448-7	butane	10 - 24,99	Flam. Gas 1, H220 / Press. Gas
64742-49-0	921-024-6	Naphtha (petroleum), hydrotreated light	25 - 49,99	Flam. Liq. 2, H225 / Asp. Tox. 1, H304 / Aquatic Chronic 2, H411 / Skin Irrit. 2, H315 / STOT SE 3, H336
64742-82-1	919-446-0	Naphtha (petroleum), hydrodesulfurized heavy	15 - 19,99	Flam. Liq. 3, H226 / Asp. Tox. 1, H304 / Aquatic Chronic 2, H411 / STOT SE 3, H336
64742-88-7	265-191-7	Solvent naphtha (petroleum), medium aliph.	1 - 2,49	Flam. Liq. 3, H226 / Asp. Tox. 1, H304

**REACH**

CAS No	Name	REACH registration number
64742-49-0	Naphtha (petroleum), hydrotreated light	01-2119475514-35
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy	01-2119458049-33

**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.

Consult a doctor if skin irritation persists.

**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**

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**

Foam

Dry powder

Carbon dioxide

Water spray jet

**Unsuitable extinguishing media**

Full water jet

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

Danger of bursting

In case of fire formation of dangerous gases possible.

**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.

**Additional information**

Cool endangered containers with water spray jet.

Collect contaminated firefighting water separately, must not be discharged into the drains.

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

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

**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 with absorbent material.

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**

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

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**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 gases/vapours/aerosols.

**Hygiene measures**

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

Wash hands before breaks and after work.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking

Do not pierce or burn even after use.

Vapours can form an explosive mixture with air.

Take precautionary measures against static discharges.

Avoid effect of heat.

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**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 together with animal feedstuffs.

Do not store together with food.

**Further information on storage conditions**

Protect from direct solar radiation.

Protect from heat and direct solar radiation.

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

Store container at cool and aired place.

**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/m <sup>3</sup> ]	[ppm]	Remark
106-97-8	Butane	8 hours	1450	600	EH40/2005
		Short-term	1810	750	

**DNEL-/PNEC-values**
**DNEL worker**

CAS No	Substance name	Value	Code	Remark
64742-49-0	Naphtha (petroleum), hydrotreated light	2035 mg/m <sup>3</sup>	DNEL long-term inhalative (systemic)	
		773 mg/kg bw/day	DNEL long-term dermal (systemic)	

**DNEL Consumer**

CAS No	Substance name	Value	Code	Remark
64742-49-0	Naphtha (petroleum), hydrotreated light	699 mg/kg bw/day	DNEL long-term dermal (systemic)	
		608 mg/m <sup>3</sup>	DNEL long-term inhalative (systemic)	
		699 mg/kg bw/day	DNEL long-term oral (repeated)	

**Additional advice**

The statutory local and national regulations have to be observed.

**8.2. Exposure controls**
**Respiratory protection**

If ventilation insufficient, wear respiratory protection.

Short-term: filter apparatus, filter AX/P2, otherwise environment-independent breathing apparatus.

**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**

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

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**Appearance**

aerosol

**Colour**

clear

**Odour**

solvent-like

**Odour threshold**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not determined				
<b>boiling point</b>	not applicable				
<b>Melting point / Freezing point</b>	not determined				
<b>Flash point</b>	not applicable				Aerosol
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not applicable				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	200 °C				
<b>Self ignition temperature</b>					The product is not self-igniting.
<b>Lower explosion limit</b>	0,6 Vol-%				
<b>Upper explosion limit</b>	10,9 Vol-%				
<b>Vapour pressure</b>	8300 hPa	20 °C			
<b>Relative density</b>	0,667 g/cm3	20 °C			
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					No or low immiscibility

	Value	Temperature	at	Method	Remark
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity dynamic</b>	not determined				
<b>Viscosity kinematic</b>	not determined				
<b>Solvent content</b>	87,6 %				
<b>Solids content</b>	11 %				
<b>Oxidising properties</b>					
No information available.					
<b>Explosive properties</b>					
The product is considered non-explosive ; nevertheless explosive vapour/air mixtures can be generated .					
<b>9.2. Other information</b>					
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

#### 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

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	> 5840 mg/kg	rat		Information concerns to main component.
<b>LD50 acute dermal</b>	> 2920 mg/kg	rabbit		Informations concern to main component.
<b>LC50 acute inhalation</b>	> 25 mg/l (4 h)	rat		Informations concern to main component.
<b>Skin irritation</b>	irritant			
<b>Eye irritation</b>	non-irritant			
<b>Skin sensitization</b>	non-sensitizing			

#### Experiences made from practice

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

#### 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

#### Ecotoxicological effects

	Value	Species	Method	Validation
<b>Fish</b>	LL/EL/IL50 11,4 mg/l (96 h)	Oncorhynchus mykiss		CAS: 64742-49-0
<b>Daphnia</b>	LL/EL/IL50 3 mg/l (48 h)	Daphnia magna		CAS: 64742-49-0
<b>Algae</b>	LL/EL/IL50 30 - 100 mg/l (72 h)	Pseudokirchneriella subcapitata		CAS: 64742-49-0

### 12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>				readily degradable

### 12.3. Bioaccumulative potential

No information available.

### 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

Toxic to aquatic life, fishes and plankton.  
 Even in the event of low quantities penetration into the underground drinking water is contaminated.  
 Do not allow uncontrolled leakage of product into the environment.  
 Product is not allowed to be discharged into the ground water or aquatic environment.

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

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

08 02 99

**Name of waste**

wastes not otherwise specified

**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**

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA-DGR</b>
<b>14.1. UN number</b>	1950	1950	1950
<b>14.2. UN proper shipping name</b>	AEROSOLS	AEROSOLS (NAPHTHA (PETROLEUM))	Aerosols, flammable
<b>14.3. Transport hazard class(es)</b>	2.1	2.1	2.1
<b>14.4. Packing group</b>	-	-	-
<b>14.5. Environmental hazards</b>	Yes	Yes	Yes

**14.6. Special precautions for user**

Caution: Gases

**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

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

**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**

86,09 %

**VOC value**

584,4 g/L

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**15.2. Chemical Safety Assessment**

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

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**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.

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
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.