

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

Name of product Degreaser Spray
112030-201471

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**

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
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
Xi Irritant
N Dangerous for the environment

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.

S-phrases

23	Do not breathe spray.
24	Avoid contact with skin.
51	Use only in well-ventilated areas.
60	This material and its container must be disposed of as hazardous waste.

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.

Contents materials in accordance with Detergents Regulation (648/2004/EC)

> 30% aliphatic hydrocarbons; < 5% Odoriferous substances (d-Limonen)

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

Preparation based on propellant and a mixture of aliphatic solvents, alcohol, cetones and orange parfum. Propellant: propane / butane.

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
64-17-5	200-578-6	ethanol	2,5 - 10	F R11
67-56-1	200-659-6	methanol	0,1 - 1	F R11; T R23/24/25-39/23/24/25
106-97-8	203-448-7	butane	2,5 - 10	F+ R12
109-66-0	203-692-4	pentane	10 - 20	F+ R12; Xn R65; R66; R67; N R51-53
74-98-6	200-827-9	propane	2,5 - 10	F+ R12
64742-49-0	265-151-9	Naphtha (petroleum) hydrotreated light; naphtha hydrotreated, low-boiling (note P)	50 - 70	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]
64-17-5	200-578-6	ethanol	2,5 - 10	Flam. Liq. 2, H225
67-56-1	200-659-6	methanol	0,1 - 1	Flam. Liq. 2, H225 / Acute Tox. 3, H331 / Acute Tox. 3, H311 / Acute Tox. 3, H301 / STOT SE 1, H370
106-97-8	203-448-7	butane	2,5 - 10	Flam. Gas 1, H220 / Press. Gas
109-66-0	203-692-4	pentane	10 - 20	Flam. Liq. 2, H225 / Asp. Tox. 1, H304 / STOT SE 3, H336 / Aquatic Chronic 2, H411
74-98-6	200-827-9	propane	2,5 - 10	Flam. Gas 1, H220 / Press. Gas
64742-49-0	265-151-9	Naphtha (petroleum) hydrotreated light; naphtha hydrotreated, low-boiling (note P)	50 - 70	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 contaminated soaked clothing immediately.

In case of inhalation

Ensure of fresh air.

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.

If swallowed seek medical advice immediately and show the doctor packing or label.

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

The following symptoms may occur:

Unconsciousness

Delirious state

vomiting

Headache

Confusion

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 mist

Unsuitable extinguishing media

water

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.

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.

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

Ensure adequate ventilation.

Use personal protective clothing.

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.

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.

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 spray on a naked flame or any incandescent material.

Vapours can form an explosive mixture with air.

Take precautionary measures against static discharges.

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 heat and direct solar radiation.

Keep container in a well-ventilated place

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

Recommended storage temperature: room temperature.

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	1450	600	EH40/2005
		Short-term	1810	750	
64-17-5	ethanol	8 hours	1920	1000	EH40/2005
67-56-1	methanol	8 hours	266	200	EH40/2005
		Short-term	333	250	

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
109-66-0	pentane	8 hours	3000	1000	
67-56-1	methanol	8 hours	260	200	skin

8.2. Exposure controls**Respiratory protection**

Environment-independent breathing apparatus.

If ventilation insufficient, wear respiratory protection.

Short term: filter apparatus, Filter A/P2

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 with side protection

Skin protection

protective clothing

Additional advice on system design

Sufficient ventilation and exhaustion.

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

Form	Colour	Odour
aerosol	colourless, clear	of orange

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
boiling point	-44 °C				
Flash point	-97 °C				
Ignition temperature	200 °C				
Autoignition	not applicable				
Lower explosion limit	0,8 Vol-%				
Upper explosion limit	7,8 Vol-%				
Vapour pressure	7 bar	20 °C			
Relative density	0,669 g/ml	20 °C			
Solubility in water	5 g/l	20 °C			
Solvent concentration	100 %				

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.

Uncleaned empty vessels may contain product gases which can form explosive mixtures with air.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

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	irritant			
Irritability eye	low irritant - no labeling duty			

Experiences made from practice

Irritates respiratory tract.

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.

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

Recycling, if possible.

Remove in accordance with local official regulations.

Recommendations for packaging

Dispose of according to the local waste regulations.

Packaging that cannot be cleaned should be disposed of like the product.

Recommended cleansing agent

E.g white spirit.

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 (Naphta (Petroleum), Pentane), 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.

Danish MAL-code: 5-3

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 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R 38 Irritating to skin.

R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

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.

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin.

H315 Causes skin irritation.

H331 Toxic if inhaled.

H336 May cause drowsiness or dizziness.

H370 Causes damage to organs (or state all organs affected, if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H411 Toxic to aquatic life with long lasting effects.