

Article number : 554 206

Trade name : Non Stick Spray

Print date : 26.06.04

Last revision date: 25.06.04

**1. NAME OF SUBSTANCE / PREPARATION AND COMPANY**

Trade name: Non Stick

Manufacturer :

Hager & Werken GmbH & Co. KG  
Ackerstr. 1 D-47269 Duisburg  
P.O.B. 10 06 54 D-47006 Duisburg  
Phone : +49 (0203) 99 26 9 – 0  
E-mail : [info@hagerwerken.de](mailto:info@hagerwerken.de)  
Internet : [www.hagerwerken.de](http://www.hagerwerken.de)

**2. COMPOSITION**

This product is considered to be hazardous and contains hazardous components.

Substance name	Value(s)	CAS nr/ EINECS nr/EC index	Symbol(s)	R-Phrase(s)
Butane	< 40 %	000106-97-8/203-448-7/601-004-00-0	F+	12
Propane	< 25 %	000074-98-6/200-827-9/601-003-00-5	F+	12
Hexane, mixture of isomers (containing < 5% n-hexane(203-777-6))	15 to 45 %	---/---/601-07-00-7	F Xn N	11-38-51/ 53-65-67

**3. POSSIBLE HAZARDS**

Risk Phrases:

Extremely flammable. In use, may form flammable/explosive vapour-air mixture.

Primary route of exposure:

Inhalation

Symptoms relating to use

Inhalation:

Shortness of breath. Vapours may cause drowsiness and dizziness. Headache.

Skin contact:

Irritating to skin. May cause skin to become dry or cracked.

Eye contact:

Eye irritant upon direct contact. Redness. Pain.

Ingestion:

Ingestion unlikely.

**4. FIRST AID MEASURES**

First aid

Inhalation:

If overcome by exposure, remove victim to fresh air immediately. Allow the victim to rest. Seek medical advice.

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Skin contact:

Remove contaminated clothing and shoes. Wash skin through with mild soap and water.

Eye contact:

Rinse immediately with plenty of water. Seek medical attention if ill effect or irritation develops.

Ingestion:

Ingestion unlikely. Rinse mouth. Seek medical attention immediately.

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**5. ACTIONS IN CASE OF FIRE**

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Extinguishing media

Suitable:

Powder. Carbon dioxide. Foam. Water fog.

Not to be used:

Do not use a heavy water stream.

Special exposure hazards:

Vapour mixes readily with air, forming explosive mixtures. When exposed to heat or if contaminated by certain impurities, may decompose to generate highly volatile gases which may over pressure and violently rupture closed containers.

Protection against fire:

Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures:

Use water spray or fog for cooling exposed containers.

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**6. ACCIDENTAL RELEASE MEASURES**

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Personal precautions:

Equip cleanup crew with proper protection.

Environmental precautions:

Notify authorities if products enters sewers or public waters.

After spillage and/or leakage:

Remove ignition sources. Clean up any spills as soon as possible, using an absorbent material to collect it. Dilute residues and flush. On land, sweep or shovel into suitable containers. Waste mixtures containing propane/butane may not enter into drains or sewers where vapours could accumulate and ignite.

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**7. HANDLING AND STORAGE**

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Precautions in handling and storage:

Keep away from sources of ignition – No Smoking.

Storage:

Protect from freezing. Keep at temperature not exceeding 50 °C. Store in dry, cool, well-ventilated area. Use special care to avoid static electric charges. No Smoking.

Storage – away from:

Direct sunlight. Heat sources. Sparks. Open flame.

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**Handling:**

Handle in accordance with good industrial hygiene and safety procedures. Keep away from food, drink and animal stuffs.

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**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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Personal protection

Respiratory protection: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Hand protection: Gloves.

Skin protection: Wear suitable protective clothing.

Eye protection: Safety glasses.

Industrial hygiene: Provide adequate ventilation to minimize dust and/ or vapour concentrations. When using, do not eat, drink or smoke.

## Exposure controls:

VME (butane) = 800 ppm – 1900 mg/m<sup>3</sup>VME (isohexane) = 500 ppm – 1800 mg/m<sup>3</sup>

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Appearance:</b>	Liquid.
<b>Colour:</b>	Colourless.
<b>Odour:</b>	Solvent.
<b>Initial boiling point [C]:</b>	< 0°C
<b>Density:</b>	0.62
<b>Solubility in:</b>	Solvent.
<b>Flash point:</b>	< 0 °C

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**10. STABILITY AND REACTIVITY**

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## Hazardous decomposition products:

None under normal conditions. Thermal decomposition generates: Carbon dioxide. Carbon monoxide.

## Hazardous reactions:

In use, may form flammable/explosive vapour-air mixtures.

## Materials to avoid:

Strong acids. Strong bases. Strong oxidizers.

## Conditions to avoid:

Heat. Direct sunlight. Open flame. Sparks.

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**11. TOXICOLOGICAL INFORMATION**

Toxicity information:

No data available.

Acute toxicity:

Na data available.

Chronic toxicity

Inhalation:

Inhalation of vapours may cause respirators irritation. Vapours may cause drowsiness and dizziness. Headache. Giddiness.

Dermal:

Irritating to skin.

Ocular:

Direct contact with the eyes is likely irritating. Burning sensation.

Ingestion:

Ingestion may cause nausea, vomiting and diarrhea.

**12. ECOLOGICAL INFORMATION**

On product:

No data available.

Ecological effects information:

Toxic to aquatic organism, may cause long-term adverse effects in the aquatic environment.

**13. INFORMATION ON DISPOSAL**

Disposal:

Container under pressure. Do not drill or burn even after use. When not empty dispose of this container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations. Do not empty into drains.

**14. TRANSPORT REGULATION**

ADR class: 2 classificatin code: 5F

UN No.: 1950

Aerosol

Sea transport:

-IMO-IMDG: Class: 2.1

-EMS-Nr.: 2-13

-IMDG-Marine pollution: No.

Air transport :

-IATA : Class 2.1

-IATA-Label: Flamm. Gas

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**15. REGULATORY INFORMATION**

Symbols



Irritant



Extremely flammable



Dangerous for the environment

**R Phrase(s)**

R12: Extremely flammable.  
 R38: Irritating to skin.  
 R21/53: Toxic to aquatic organism, may cause long-term adverse effects  
 In the aquatic environment.  
 R67: Vapours may cause drowsiness and dizziness.

**S Phrase(s)**

S02: Keep out of the reach of children.  
 S16: Keep away from sources of ignition – No Smoking.  
 <s23<. Do not breathe spray.  
 S29: Do not empty into drains.  
 S46: If swallowed seek medical advice immediately and show this container  
 or label.  
 S51: Use only in well-ventilated areas.

**Safety advises:**

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. Use this aerosol only for the applications for which it is intended.

**16. OTHER INFORMATION**

Text of R- Phrases in § 2:

R67: Vapours may cause drowsiness and dizziness.  
 R51/53: Toxic to aquatic organism, may cause long-term adverse effects in the aquatic environment.  
 R65: Harmful: may cause lung damage if swallowed.  
 R38: Irritating to skin.  
 R11: Highly flammable.  
 R12: Extremely flammable.

Recommended uses and restrictions:

See product bulletin for detailed information.