

Safety Data Sheet

Pentyl Nitrite 70

According to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No. 2020/217)

Version:1
Version date:11/12/2020
Language:EN

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name/designation : Pentyl Nitrite 70

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : Leather cleaner.
Uses advised against : No data available.

1.3. Details of the supplier of the safety data sheet

Supplier :
Name: Unlimited
Street: Dorpssingel 6
Postal code/City: 6641BE
Beuningen Country:
Netherlands

1.4. Emergency Telephone Number

United Kingdom:

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Hazard statements (H)
Flam. Liq. 2	H225 Highly flammable liquid and vapour.
Acute Tox. 4	H302 Harmful if swallowed
Skin_Corr._1	H314 Causes severe skin burns and eye damage.
Acute Tox. 4	H332 Harmful if inhaled.
STOT SE 3	H335 May cause respiratory irritation

2.2. Label elements

UFI: EVOE-GFWP-T002-AXGE.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Signal word	Danger
Product identifiers	-
Hazard Statements	H225 - Highly flammable liquid and vapour. H302 - Harmful if swallowed H314 - Causes severe skin burns and eye damage. H332 - Harmful if inhaled. H335 - May cause respiratory irritation
Supplemental Hazard information (EU)	-
Precautionary Statements - General	P102 - Keep out of reach of children.
Precautionary Statements - Prevention	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 - Do not breathe vapors/spray. P271 - Use only outdoors or in a well-ventilated area.
Precautionary Statements - Response	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Precautionary Statements - Storage	P403+P235 - Store in a well-ventilated place. Keep cool.
Precautionary Statements - Disposal	P405 - Store locked up. P501 - Dispose of contents/container in accordance with local regulations.

2.3. Other hazards

Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Substance	C (%)	Classification	Specific concentration limits	Note
pentyl nitrite CAS N°:463-04-7 EC N°:207-332-7 IDX N°:007-020-00-9	C≤ 70.0%	H225: Highly flammable liquid and vapour. H302: Harmful if swallowed H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage. H332: Harmful if inhaled.	-	-
Reaction mass of 2-methylbutan-1-ol and pentan-1-ol CAS N°: EC N°:903-139-3 IDX N°:	C≤ 30.0%	H226: Flammable liquid and vapour. H315: Causes skin irritation. H318: Causes serious eye damage. H332: Harmful if inhaled. H335: May cause respiratory irritation	-	-

3.2. Mixtures

The mixture does not contain any substances classified as Substances of Very High Concern (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>.

3.3. Remark

Text phrases and H- EUH-: see section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information : In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

		Do not leave affected person unattended. Keep affected person warm, still and covered.
Following inhalation	:	Remove person to fresh air and keep comfortable for breathing. If the victim is unconscious but breathing normally, place her in recovery position and seek medical advice. No resuscitation mouth-to-mouth or mouth-to-nose. Ambu use a mask or respirator. If breathing is irregular or stopped, administer artificial respiration. After inhaling vapours the first signs of poisoning can show up hours later, so always consult a doctor.
Following skin contact	:	After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. Remove contaminated, saturated clothing immediately. In case of skin irritation, consult a physician. Immediate medical treatment required because corrosive injuries that are not treated are hard to cure.
Following eye contact	:	Remove contact lenses, if present and easy to do. Continue rinsing. In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
Following ingestion	:	Never give anything by mouth to an unconscious person or a person with cramps. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If swallowed: Call a POISON CENTER or physician if you feel unwell.
Self-protection of the first aider	:	First aider: Pay attention to self-protection!.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor : Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media	:	Foam. Extinguishing powder. Carbon dioxide (CO ₂). Sand.
Unsuitable extinguishing media	:	Strong water jet.

5.2. Special hazards arising from the substance or mixture

- Formation of toxic gases is possible during heating or in case of fire.

5.3. Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

- Do not inhale vapors and fumes.
- Co-ordinate fire-fighting measures to the fire surroundings.
- Move undamaged containers from immediate hazard area if it can be done safely.
- Use caution when applying carbon dioxide in confined spaces. carbon dioxide can displace oxygen.
- Use water spray jet to protect personnel and to cool endangered containers.
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- Use personal protection equipment.
- Remove persons to safety.
- Provide adequate ventilation.
- Use appropriate respiratory protection.

6.2. Environmental precautions

- Ensure that waste is collected and contained.
- In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
- Contain leaks or spills within cabinets with removable trays.

6.3. Methods and material for containment and cleaning up

- Treat the recovered material as prescribed in the section on waste disposal.
- Collect in closed and suitable containers for disposal.
- Clean contaminated objects and areas thoroughly observing environmental regulations.
- Ventilate affected area.
- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Wipe up with absorbent material (eg. cloth, fleece).

6.4. Reference to other sections

- Safe handling: see section 7.
- Disposal: see section 13.
- Personal protection equipment: see section 8.

6.5. Additional information

Not available

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

- Avoid exposure - obtain special instructions before use.
- Use only outdoors or in a well-ventilated area.

PROTECTIVE MEASURES

- Avoid contact with skin, eyes and clothes.
- Do not eat, drink or smoke when using this product.
- Use only in well-ventilated areas.
- If local exhaust ventilation is not possible or not enough, the entire work area must be ventilated by technical means.
- Provide adequate ventilation as well as local exhaustion at critical locations.
- Wear personal protective clothing (see section 8).
- Only allow access to authorised staff.
- Do not put any product-impregnated cleaning rags into your trouser pockets.
- Avoid breathing gas/fumes/vapour/spray.

Advices on general occupational hygiene

- Provide eye shower and label its location conspicuously
- Wash hands before breaks and after work.
- Remove contaminated, saturated clothing immediately.
- Work in well ventilated zones or use proper respiratory protection.
- Street clothing should be stored separately from work clothing.
- Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Keep container tightly closed in a dry, cool, and well-ventilated place.

- Keep container in upright position in order to prevent leakage.

Requirements for storage rooms and vessels

- Ensure adequate ventilation of the storage area.
- Ground/bond container and receiving equipment.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Store locked up.

Advice on joint storage

- Keep away from food, drink and animal feedingstuffs.
- Keep away from clothing and other combustible materials.
- Keep only in the original container in a cool, well-ventilated place, away from highly flammable substances.

Further information on storage conditions

- Use explosion-proof electrical/ventilating/lighting/.../equipment.
- Use only non-sparking tools.

7.3. Specific end uses

- Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Does not contain substances above concentration limits fixing an occupational exposure limit.
Not available

8.2. Exposure controls

Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.
Fresh air (open windows and doors) is necessary.

Personal protection equipment



Eye/face protection
Skin protection

: Suitable eye protection: Wear eye protection equipment.

: **Hand protection:**

- Wear protective gloves.
- NBR (nitrile rubber)
- Do not wear gloves near machines and rotating tools.
- Use gloves only once.
- When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.
- The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection

: Respiratory protection necessary at: If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
Suitable respiratory protection apparatus: Wear respiratory protection.

Remark:

- The filter class must be suitable for the maximum contaminant concentration

(gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

- Observe the wear time limits as specified by the manufacturer.
- Use only respiratory protection equipment with CE-symbol including four digit test number.

8.3. Additional information

Not available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Colorless
Odour:	Not available
Odour threshold:	Not available
pH:	Not available
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	Not available
Evaporation rate:	Not available
Flammability:	Not available
Upper/lower flammability or explosive limits:	Not available
Vapour pressure:	Not available
Vapour density:	Not available
Relative density:	Not available
Solubility(ies):	Not available
Partition coefficient: n-octanol/water (Log KOC):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Explosive properties:	Not available
Oxidising properties:	Not available

9.2. Other safety information

Not available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

Not available

10.3. Possibility of hazardous reactions

Not available

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Not available

10.7. Additional information

Not available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Acute oral toxicity

Data for mixture

Not available

Substances

Not available

11.2. Acute skin toxicity

Data for mixture

Not available

Substances

Not available

11.3. Acute inhalation toxicity

Data for mixture

Not available

Substances

Not available

11.4. Skin corrosion

Data for mixture

Not available

Substances

Not available

11.5. Eye damage

Data for mixture

Not available

Substances

Not available

11.6. Skin sensitisation

Data for mixture

Not available

Substances

Not available

11.7. STOT RE

Data for mixture

Not available

Substances

Not available

11.8. STOT SE

Data for mixture

Not available

Substances

Not available

11.9. STOT RE

Data for mixture

Not available

Substances

Not available

11.10. Carcinogenicity

Data for mixture

Not available

Substances

Not available

11.11. Reproductive and Developmental Toxicity

Data for mixture

Not available

Substances

Not available

11.12. Genotoxicity

Data for mixture

Not available

Substances

Not available

11.13. In vitro genotoxicity

Data for mixture

Not available

Substances

Not available

11.14. Respiratory sensitisation

Data for mixture

Not available

Substances

Not available

Additional information

Not available

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

12.7. Additional ecotoxicological information

Not available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

- The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Waste treatment options

- Waste requiring special supervision.
- Dispose of waste according to applicable legislation.
- Delivery to an approved waste disposal company.
- Non-contaminated packages must be recycled or disposed of.
- Contaminated packing must be completely emptied and can be reused after proper cleaning.
- Packing which cannot be properly cleaned must be disposed of.
- Handle contaminated packages in the same way as the substance itself.
- Dispose of waste according to applicable legislation.

Remark

- For recycling, contact manufacturer.
- Collect the waste separately.
- Consult the appropriate authorities about waste disposal.
- Do not mix with other wastes.
- The waste is to be kept separate from other types of waste until its disposal.
- Concerning the waste it has to be checked, whether a transport authorisation is required.

SECTION 14: TRANSPORT INFORMATION

	Land transport (ADR/RID)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO- TI/IATA-DGR)
14.1. UN number	-	-	-	-
14.2. UN proper shipping name	-	-	-	-
14.3. Transport hazard class(es)				
Class or Division	-	-	-	-
Hazard label(s)				
14.4. Packing group	-	-	-	-

14.5. Environmental hazards

Not available

14.6. Special precautions for user

Not available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available

14.8. Additional information

Not available

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006. This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.

EU legislation**Regulation:** REACH : Annex XVII (Restrictions)

Substance	CAS	EC
pentyl nitrite	463-04-7	207-332-7

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

For this substance/mixture a chemical safety assessment has been elaborated.

For this mixture, the relevant data of the Substances' Chemical safety assessment are integrated in the sections of the SDS.

15.3. Additional information

Not available

SECTION 16: OTHER INFORMATION

Creation date: 11/12/2020

Version date: 11/12/2020

Printing date: 13/12/2020

16.1. Indication of changes

Not applicable (first edition of the MSDS).

16.2. Abbreviations and acronyms

CAS: Chemical Abstract Service Number.

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods Code.

DPD Dangerous Preparation Directive.

UN number: United Nations number.

No EC: European Commission Number.

ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways.

ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail.

CLP: Classification, labeling and packaging.

VPvB: very persistent and very bioaccumulative substances.

16.3. Key literature references and sources for data

No data available.

16.4. Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

H225	Flam. Liq. 2	Highly flammable liquid and vapour.
H226	Flam. Liq. 3	Flammable liquid and vapour.
H302	Acute Tox. 4 ORAL	Harmful if swallowed
H314	Skin Corr. 1	Causes severe skin burns and eye damage.
H315	Skin Irrit. 2	Causes skin irritation.
H318	Eye Dam. 1	Causes serious eye damage.
H332	Acute Tox. 4 INHALATION	Harmful if inhaled.
H335	STOT SE 3 H335	May cause respiratory irritation

16.6. Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

16.7. Additional information

Not available

The information given in this Safety Data Sheet is based on our present knowledge and on european and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.