

SAFETY DATA SHEET

PeViCol

1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 Product identifier

PeViCol

1.2 Relevant identified uses of mixture and uses advised against

Adhesive for PVC. Only for PVC materials

1.3. Details of the supplier of the safety data sheet

Nordcoll A/S
Egeskovvej 12
DK-3490 Kvistgaard
Denmark
Tel: +45 49 13 92 22
Fax: +45 49 13 80 41
E-Mail address: salg@nordcoll.dk
Contact person: Lone Pedersen

1.4. Emergency telephone number

Emergency telephone: Nordcoll A/S, DK-3490 Kvistgaard +45 49 13 92 22

2. HAZARDS IDENTIFICATION

2.1. Classification of the mixture

DPD/DSD Classification:
Repr. Cat. 2; R61. Irritant (Xi); R36/37/38.
CLP Classification:
Repr. 1B; H360D. Eye Irrit. 2; H319. STOT SE 3; H335. Skin Irrit. 2; H315.

2.2. Label elements

Labelling in accordance with the CLP regulation (1272/2008).

Pictogram:



Signal word:

Danger

Contains: N-Methyl-2-Pyrrolidone

Hazard statements: H319: Causes serious eye irritation.
 H315: Causes skin irritation.
 H335: May cause respiratory irritation.
 H360D: May damage the unborn child.

Precautionary statements: P101: If medical advice is needed, have product container or label at hand.
 P201: Obtain special instructions before use.
 P308+P315: IF exposed or concerned: Get immediate medical advice/attention.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

Name	EINECS-no	CAS-no	Content	Classification
N-Methyl-2-pyrrolidon	212-828-1	872-50-4	75-85 %	Repr.Cat.2; R61 Xi; R36/37/38 (DPD/DSD) Repr. 1B H360D Eye Irrit.2 H319 STOT SE 3 H335 Skin Irrit.2 H315 (CLP)
Polyvinylklorid	-	-	10-20 %	- -
Vinylklorid (Chlorethen)	200-831-0	75-01-4	<0,015 %	Carc1, Fx; R45, 12 (DPD/DSD) Press. Gas H220 Flam. Gas 1 H350 Carc. 1A (CLP)

Composition comments: * Residual impurity in PVC. Harmful components are listed according to guideline for safety data sheets. Other components, not classified as harmful, are indicated by a hyphen (-).

4. FIRST AID MEASURES

4.1. Description of first aid measures

Eye contact: Remove contact lenses. Flush eyes with water for at least 15 minutes while holding eyelids open. Seek medical advice.

Skin contact: Soiled, soaked clothes and shoes must be immediately removed. Wash the skin thoroughly with plenty of water and soap. If skin reactions occur, seek medical advice.

Ingestion: Flush immediately the mouth and drink min. two glasses of water. Medical advice is required. DO NOT induce the patient to vomit.

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

This product contains substances which are irritable to skin and eyes, or when inhaled. This product contains organic solvent, which can have an effect on the nerves system. Symptoms of neurotoxicity can be: Loss of appetite, headache, dizziness, whistle to the ears, tingeling sensation in the skin, sensitiveness to cold, cramps, difficulties concentrating, fatigues etc. The product contains substances

which effect may be; sterility, reduced fertility, menstrual disturbances, etc.. The effect of the child may be; death, malformations, developmental delay or functional disorders.

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

General: In all cases of doubt, or when symptoms persist, seek medical advice. Bring the Safety Data Sheet or label from the bottle.

Inhalation: Remove to fresh air, keep patient warm and at rest, if breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place the person in recovery position. Seek medical advice.

Ingestion: Flush immediately the mouth and drink min. two glasses of water. Medical advice is required. DO NOT induce the patient to vomit.

5. FIREFIGHTING MEASURES

5.1 Extinguishing Media

Carbon dioxide, dry powder, foam, alcohol-resistant and water spray.

5.2. Special hazards arising from the substance or mixture

Solvent vapours may form explosive mixtures with air. Containers close to fire should be removed or cooled with water. Toxic, nitrous gases (NO_x), carbon monoxide are formed in a fire.

5.3. Advice for firefighters

Fire fighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.

Recommendations: Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear necessary protective equipment (see section 8). Avoid breathing vapours and contact with skin and eyes.

Keep the product away from heat and ignition sources.

6.2. Environmental precautions

Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, sewers or drains, inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Cover the remainder with wet absorbent material, e.g. sand, earth, vermiculite, diatomaceous earth. After absorption place it all in a container for disposal, according to local regulations (see section 13). Clean the area with water. Water hardens the product, after which it can be removed mechanically.

6.4. Reference to other sections

Section 13 for waste disposal and section 8 for personal protection.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Ensure adequate ventilation. Avoid inhalation of vapours, skin and eye contact. Avoid all possible sources of ignition (spark or flame) and static electricity. Smoking, eating and drinking should be prohibited in application area. Personal protection (see section 8).

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, dry and good ventilated place. Store above freezing.

7.3. Specific end use(s)

Glue for PVC pipes.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Ingredient name min limit	CAS-no	Reference	WEL 8 hrs limit	WEL 15
N-methyl-2-pyrrolidone mg/m ³	872-50-4	EH40-WEL	103 mg/m ³	309
Vinyl Chloride Monomer (Residual impurity in PVC)	75-01-4	MEL	3 ppm	

Reference: EH40-WEL (United Kingdom (UK), 9/2006). Skin

8.2. Exposure controls

Personal protection

Respiratory protection: Respiratory protection required in insufficiently ventilated working areas. Use respiratory protection (filter type A).

Hand protection: Use protective gloves. Suitable materials for safety gloves:
Butyl rubber-IIR: thickness: $\geq 0.5\text{mm}$; breakthrough time: $\geq 480\text{ min}$.

Recommendation: Change gloves before breakthrough.

Skin protection: Wear suitable protective clothing. Change all contaminated cloth and shoes.

Eye protection: Use chemical goggles or full face shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Transparent, yellowish
Odour:	Characteristic
Solids content:	>18 %

Vapour pressure:	0,04 mm Hg at 20° C
Boiling point:	202° C
Viscosity (Brookfield):	15.000-20.000 mPa.s (RVT sp. 6 / 20 rpm at 23° C)
Specific gravity:	1,12 g/cm ³ at 20° C
Flash point:	95° C
Freeze point:	-24° C
VOC content:	<81 %

9.2. Other information

Miscible with water: Not miscible

10. STABILITY AND REACTIVITY

10.1. Reactivity

Reacts with strong oxidizing agent and reducing agents.

10.2. Chemical stability

No hazardous decompositions products when stored and handled correctly (see section 7).

10.3. Possibility of hazardous reactions

Reacts with strong oxidizing agent and reducing agents.

10.4. Conditions to avoid

Storage above 30°C.

10.5. Incompatible materials

Oxidizing agent and reducing agents.

10.6. Hazardous decomposition products

None, if used correct.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity

Ingestion, N-Methyl-2-Pyrrolidone: LD50 oral, rat: 3900 mg/kg

Inhalation, N-Methyl-2-Pyrrolidone: LC50 4 hours, rat: >5,1 mg/l

Skin absorption, N-Methyl-2-Pyrrolidone: LD50, rabbit: 8 mg/kg

Irritable effects: This product contains substances which are irritable to skin and eyes, or when inhaled. A result of contact with a locally irritable substances, can be, that the area of contact, will be more pruned to take-in of damaging substances such as allergens.

Neurotoxic effect: This product contains organic solvent, which can have an effect on the nerves system. Symptoms of neurotoxicity can be: Loss of appetite, headache, dizziness, whistle to the ears, tingeling sensation in the skin, sensitiveness to cold, cramps, difficulties concentrating, fatigues etc. The result of repeatedly exposure to organic solvents can be an erosion of the skins natural layer of fat. Afterwards the skin will be exposed to uptake of damaging substances such as allergens.

Reproduction: The product contains substances which can harm fertility example through damage to germ cells or by hormonal regulation. The effect may be; sterility, reduced fertility, menstrual disturbances, etc.. The product contains teratogenic substances which can cause permanent damage to the offspring in humans. The effect of the child may be; death, malformations, developmental delay or functional disorders.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Not regarded as dangerous for the environment.

12.2. Persistence and degradability

The product is slowly not easy decomposable (0% after 28 days)

12.3. Bioaccumulative potential

No bioaccumulation expected.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

The product should not be discharged into drains or streams.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal methods: Dispose of waste for the product and empty package must be in according to Local, State, Federal, and Provincial Environmental Regulations.

(European waste catalogue) EWC-code: 08 04 09

14. TRANSPORT INFORMATION

14.1. UN number

This preparation is not classified dangerous according to international transport regulations

ADR/RID/IMDG/IATA.

14.2. UN proper shipping name

Not relevant.

14.3. Transport hazard class(es)

Not relevant.

14.4. Packing group

Not relevant.

14.5. Environmental hazards

See section 6 for information about how to clean up.

14.6. Special precautions for user

Not relevant.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EC regulation 1272/2008 (CLP)
EC regulation 1907/2006 (REACH)

15.2. Chemical safety assessment

No data available.

16. OTHER INFORMATION

Explanation to R-phrases in section 3: R12 Extremely flammable. R36/37/38 Irritating to eyes, respiratory system and skin. R45 May cause cancer. R61 May cause harm to the unborn child.

Explanation to H-phrases in section 3: H220: Extremely flammable gas. H319: Causes serious eye irritation. H315: Causes skin irritation. H335: May cause respiratory irritation. H350: May cause cancer. H360D: May damage the unborn child.

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Signature: Lone Pedersen

The information of this SDS is based on the present state of our knowledge and on current EU laws. It is always the responsibility of the user to take all necessary steps in order to fulfill the demand laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product. It is not to be considered as a guarantee of the products properties.