

Material Safety Data Sheet

Completed 04-11-2024
Revision: (date) -
SDS version 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Trade Name: Hoof Grip Pro - Part A
Product- no.: -
UFI: AGGA-QVA4-8209-3AAP

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

Recommended uses:

Adhesive for bonding blocks to hooves.

The product is part of a 2-component system. Conformity with safety data sheet for both components when mixing with other component.

Uses advised against:

This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

1.3. Details of the supplier of the safety data sheet

Company and address:

Chem Select, Inc
31441 Santa Margarita Pkwy, Suite A340
Rancho Santa Margarita, CA 92688
United States of America
+1 (800) 985-2012
www.chemselect.com

Imported by:

KVK
Morsøgade 3
DK-6700 Esbjerg
Tlf: +45 75 36 81 87
dnn@kvk.dk

Contact person and E-mail:

Dwane Morrison; info@chemselect.com

The Safety data sheet is completed and validated by:

Mediator ApS, Centervej 2, DK-6000 Kolding. Consultant: TSN

1.4. Emergency telephone number

Use your national or local emergency number - For "First aid measures" see section 4.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP (1272/2008):
Skin Irrit. 2;H315
Skin Sens. 1;H317
Eye Irrit. 2;H319
Acute Tox. 4;H332
Resp. Sens. 1;H334
STOT SE 3;H335
Carc. 2;H351
STOT RE 2;H373

See full text of H-phrases in section 16.

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2.2. Label elements



Signal word:

Danger

Causes skin irritation. (H315)
 May cause an allergic skin reaction. (H317)
 Causes serious eye irritation. (H319)
 Harmful if inhaled. (H332)
 May cause allergy or asthma symptoms or breathing difficulties if inhaled (H334)
 May cause respiratory irritation. (H335)
 Suspected of causing cancer. (H351)
 May cause damage to organs through prolonged or repeated exposure. (H373)

Obtain special instructions before use. (P201)
 Avoid breathing vapours. (P261)
 Wear protective gloves/protective clothing. (P280)
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. (P304 + P340 + P342 + P311)
 IF exposed or concerned: Get medical advice/attention. (P308 + P313)
 Store in a well-ventilated place. Keep container tightly closed. (P403 + P233)

2.3. Other hazards

Additional labelling:

As from 24 August 2023 adequate training is required before industrial or professional use.

Additional warnings

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SECTION 3: Composition/information on ingredients

3.1./3.2. Substances/Mixtures

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
Benzene, 1,1'-methylenebis[isocyanato polymer and polypropylene glycol]	- / -	39420-98-9	643-036-8	Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Acute Tox. 4;H332, Resp. Sens. 1;H334, STOT SE 3;H335, Carc. 2;H351, STOT RE 2;H373	40 - 60	1
4,4'-Methylenediphenyl diisocyanate	615-005-00-9 / 01-2119457014-47-xxxx	101-68-8	202-966-0	Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Acute Tox. 4;H332, Resp. Sens. 1;H334, STOT SE 3;H335, Carc. 2;H351, STOT RE 2;H373 Eye Irrit. 2; H319: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0,1 % STOT SE 3; H335: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	20 - 30	2
Methylenediphenyl diisocyanate	- / -	26447-40-5	247-714-0	Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Acute Tox. 4;H332, Resp. Sens. 1;H334, STOT SE 3;H335, Carc. 2;H351, STOT RE 2;H373 Eye Irrit. 2; H319: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0,1 % STOT SE 3; H335: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	10 - 20	2

- 1) The substance is an isocyanate prepolymer.
- 2) The substance is an isocyanate.

See full text of H-phrases in section 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Keep victim under observation.
Seek fresh air, wash out mouth with water and blow nose thoroughly.
Seek medical advice in case of breathing difficulties.
Call a POISON CENTER or doctor/physician if you feel unwell.

Ingestion:

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.
Immediately call a POISON CENTER or doctor/physician.

Skin contact:

Remove contaminated clothing.
Do not pull bonded skin apart directly. Soak the skin in warm, soapy water and gently peel apart with the aid of a blunt edge, e.g. a teaspoon handle. Seek medical advice if symptoms persist.

Eye contact:

Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
Do not attempt to open eyelids forcibly. Cover with cotton wool soaked in lukewarm water. Seek medical advice.

Additional information:

When obtaining medical advice, show the safety data sheet or label.

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

Harmful by inhalation.

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

Sensitivity effects: This product contains substances which can give an allergic reaction on contact with skin. The allergic reaction will typically set in 12-72 hours after exposure as the substance penetrates the skin and reacts with proteins in the outer skin. The body's immune system sees the chemically changed protein as a foreign body and will try to destroy it.

Sensitivity effects: This product contains substances which can give an allergic reaction when inhaled. The allergic reaction allergy will typically set in an hour after exposure and give an inflammatory reaction in the lungs.

Carcinogenic effects: This product contains substances which are considered or proven to be carcinogenic. The substances are either classified as carcinogenic or as substances thought to be carcinogenic. The danger may lie in inhalation, skin contact or ingestion.

May cause damage to organs through prolonged or repeated exposure.

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

Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Extinguish with powder, foam, carbon dioxide or water mist.
Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air.
Product decomposes in fire conditions and toxic gases such as COx, NOx, HCN, POx may be released.
Exposure to decomposition products may cause a health hazard.

5.3. Advice for firefighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.
Fire fighters should wear appropriate protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8 for type of protective equipment.
Avoid breathing and contact with skin and eyes.

6.2. Environmental precautions

Avoid unnecessary release to the environment.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers.

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6.4. Reference to other sections

See section 8 for type of protective equipment.

See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section 8 for information about precautions for use and personal protective equipment.

Use the product under well-ventilated conditions.

Individuals suffering from asthma or eczema and individuals with known, chronic lung disease or excessively sweaty palms (hyperhidrosis manuum) should not work with the product.

Smoking, eating and drinking in the work room is not permitted nor is storage of tobacco, food and drinks permitted. Personal protective equipment must not be worn during meal breaks. Running water and eye wash facilities must be easily accessible. Wash hands before breaks, after visits to the toilet and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

The product must be stored safely and away from food, animal feeding stuffs, medicines, etc.

Store in a dry, cool, well-ventilated area.

Keep in tightly closed packaging. Store frost-free.

7.3. Specific end use(s)

See application section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Indicative occupational exposure limit value (IOELV)

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DNEL/PNEC-values:

DNEL 4,4'-Methylenediphenyl diisocyanate

	Workers	Consumers
Inhalation - Chronic Local	0,05 mg/m ³	0,025 mg/m ³
Inhalation - Acute Local	0,1 mg/m ³	0,05 mg/m ³

PNEC 4,4'-Methylenediphenyl diisocyanate

Fresh water	3,7 µg/L
Intermittent releases (Fresh water)	37 µg/L
Marine water	0,37 µg/L
Soil	2,33 mg/kg soil dw

8.2. Exposure controls

There are no exposure scenarios for this product.

Appropriate engineering controls:

Wear the personal protective equipment specified below.

Wash hands before breaks, before using restroom facilities, and at the end of work.

Do not eat, drink or smoke when using this product.

Personal protective equipment:



Respiratory protection:

In case of insufficient ventilation, wear respiratory protective equipment with A2/P2 filter.

Respiratory protective equipment shall comply with one of the following standards: EN 136/140/145.

Hand protection:

Wear protective gloves made of butyl rubber (> 0,3 mm). Protective gloves conforming to EN 374.

Penetration time: > 240 min.

Eye/face protection:

Recommended:

Wear safety goggles/face protection.

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Skin protection:

Wear suitable protective clothing.

Environmental exposure controls:

Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Light yellow
Odour:	-
Melting point/ Freezing Point (°C):	-
Boiling point or initial boiling point and boiling range (°C):	-
Flammability:	-
Lower and upper explosion limit (vol-%):	-
Flash point (°C):	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
pH:	8,8
Kinematic viscosity (mm ² /s):	-
Solubility:	-
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	-
Density and/or relative density:	-
Relative vapour density:	-
Particle characteristics:	-

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid heating and contact with ignition sources.

Avoid contact with moisture and water.

10.5. Incompatible materials

Avoid contact with the following: water, amines, acids, bases, and strong oxidizing agents.

10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and toxic gases such as CO_x, NO_x, HCN, PO_x may be released.

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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity:

Harmful by inhalation.

Substance	exposure	Species	Test	Result
4,4'-Methylenediphenyl diisocyanate	Oral	Rat	LD50	> 2000 mg/kg bw
4,4'-Methylenediphenyl diisocyanate	Inhalation	Rat	LC50/ 4 Hours	367,95 mg/m ³ air
4,4'-Methylenediphenyl diisocyanate	Dermal	Rabbit	LD50	> 9400 mg/kg bw

Skin corrosion/irritation:

Irritating to skin – may cause reddening.

Serious eye damage/irritation:

Irritating to eyes. Causes a burning sensation and tearing.

Respiratory or skin sensitisation:

May cause sensitization by inhalation and skin contact. Symptoms include cold, sneezing, breathing difficulties and hives. Reddening, swelling,

Germ cell mutagenicity:

Based on the existing data, the classification is not met.

Carcinogenicity:

Suspected of causing cancer.

Reproductive toxicity:

Based on the existing data, the classification is not met.

STOT-single exposure:

Inhalation may cause irritation to the upper airways.

STOT-repeated exposure:

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard:

Based on the existing data, the classification is not met.

11.2. Information on other hazards

Test data are not available.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
No data.	-	-	-	-

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
4,4'-Methylenediphenyl diisocyanate	No	OECD Guideline 301 F	28 Days 0%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
4,4'-Methylenediphenyl diisocyanate	Yes	4,51

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12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB.

12.6. Endocrine disrupting properties

Test data are not available.

12.7. Other adverse effects

None.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC-Code	Description
08 04 09	Waste adhesives and sealants containing organic solvents or other hazardous substances
08 05 01	Waste isocyanates

Specific labelling:

Isocyanate waste. Be careful! Risk of eczema!

Contaminated packaging:

Empty packaging and residues must be disposed of through the municipal waste collection service for hazardous waste.

SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR, IMDG and IATA.

14.1 -14.4.

ADR

-

IMDG/IATA

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Maritime transport in bulk according to IMO instruments

Not relevant.

SECTION 15: Regulatory information

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

Sources:

Commission Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, EU 2017/164 and EU 2019/1831 (the first, second, third, fourth and fifth IOELV Directives).

Additional labelling:

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Restrictions for application:

For professional users only.

Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product. Young people above 15 years are exempted this rule, if the product is a part of an education/training.

Special care should be applied for pregnant and lactating women.

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Demands for specific education:

Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used. Users of the product must have completed approved training to work with epoxy resins and isocyanates.

15.2. Chemical safety assessment

None.

SECTION 16: Other information

According to EU regulation 1907/2006 (REACH)

Other information:

Sources:

EC regulation 1907/2006 (REACH), with amendments.

EC Regulation 1272/2008 (CLP), with amendments.

Directive 2008/98/EC

ECHA - The European Chemicals Agency

Full text of H-phrases as mentioned in section 2+3:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

Classification according to Regulation (EC) Nr. 1272/2008:

Skin Irrit. 2;H315	Calculation method
Skin Sens. 1;H317	Calculation method
Eye Irrit. 2;H319	Calculation method
Acute Tox. 4;H332	Calculation method
Resp. Sens. 1;H334	Calculation method
STOT SE 3;H335	Calculation method
Carc. 2;H351	Calculation method
STOT RE 2;H373	Calculation method

Abbreviations and acronyms used in the safety data sheet:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS-Number.: Chemical Abstracts Service number.

EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).

DNEL: Derived No Effect Level.

PNEC(s): Predicted No Effect Concentration(s).

STOT: Specific Target Organ Toxicity.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

LC50: Lethal Concentration to 50 % of a test population.

EC50: The effective concentration of substance that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.

NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

Other:

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

Minor changes have been made in following sections:

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This material safety data sheet replaces version:

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