



SAFETY DATA SHEET
HOOF GLUE & FIX BLACK 150ML,
COMPONENT A

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Compilation date: 27-03-2017

Revision No: 1

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

1.1. Product identifier

Product name: HOOF GLUE & FIX BLACK 150ML, COMPONENT A

Product code: WHS2002

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

Use of substance / mixture: PC1: Adhesives, sealants.

1.3. Details of the supplier of the safety data sheet

Company name: Werkman Hoofcare B.V.

Helper Molenstraat 43

Groningen

9721 BT

The Netherlands

Tel: +31 (0)50 521 81 21

Email: Wendy@werkmanhorseshoes.com

1.4. Emergency telephone number

Emergency tel: +31 (0)50 521 81 21

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP:

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

Most important adverse effects: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

2.2. Label elements

Label elements:

Hazard statements: 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.



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[cont...]

H373: May cause damage to organs through prolonged or repeated exposure.

Hazard pictograms: GHS07: Exclamation mark

GHS08: Health hazard



Signal words: Danger

Precautionary statements: P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P304+341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+313: IF exposed or concerned: Get medical advice/attention.

2.3. Other hazards

Other hazards: Danger of serious damage to health by prolonged exposure.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

4,4'-METHYLENEDIPHENYL DIISOCYANATE, OLIGOMERS - REACH registered number(s): 01-2119457013-49-0002

EINECS	CAS	PBT / WEL	CLP Classification	Percent
500-040-3	25686-28-6	-	Acute Tox. 4: H332; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Resp. Sens. 1A: H334; Skin Sens. 1A: H317; STOT SE 3: H335; Carc. 2: H351; STOT RE 2: H373	62.500%

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

202-966-0	101-68-8	-	Carc. 2: H351; Acute Tox. 4: H332; STOT RE 2: H373; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317	3.750%
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METHYLENEDIPHENYL DIISOCYANATE

247-714-0	26447-40-5	-	Carc. 2: H351; Acute Tox. 4: H332; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317; STOT SE 2: H371; STOT RE 2: H373	3.750%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Remove contact lenses. Continue rinsing. Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. If you feel unwell seek medical advice. (This if possible show the label).

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Provide fresh air. If breathing is irregular or stopped, immediately seek assistance and start first aid actions. In case of respiratory tract irritation, consult a physician.

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

Skin contact: Contact causes skin irritation.

Eye contact: Causes serious eye irritation.

Ingestion: There may be soreness and redness of the mouth and throat. Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

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

Immediate / special treatment: For specialist advice physicians should contact the anti poison control centre.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Dry chemical powder. Carbon dioxide. Alcohol resistant foam. Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. During fire hazardous fumes/smoke could be produced, acids, aldehyde, organic substances.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Collect extinguishing water to prevent it from draining into the sewer system.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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Personal precautions: Keep unprotected persons away. Ensure adequate ventilation. Control of dust. For emergency responders: Wear breathing apparatus if exposed to vapours/dust/spray/gases. Wear protective equipment.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding. Retain contaminated washing water and dispose of it.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Covering of drains. Wipe up with absorbent material (e.g. cloth, fleece).

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Wash hands before breaks and at the end of workday. Eating, drinking, smoking and storing food is prohibited in workspace. Contaminated clothing may not leave the workspace. Remove contaminated clothing and wash before reuse. Keep away from food, drink and animal feedingstuffs.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Keep away from alkalis, oxidizing substances, acids. Recommended storage temperature: 20-25°C. Maximum storage temperature 32°C.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:
DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	0.02 mg/m3	0.07 mg/m3	-	-

DNEL/PNEC Values



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Type	Exposure	Value	Population	Effect
-	CAS 25686-28-6	-	-	-
DNEL	Inhalation	0.05 mg/m ³	Workers	Systemic
DNEL	Inhalation	0.05 mg/m ³	Workers	Local
DNEL	Dermal	50 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	0.025 mg/m ³	Consumers	Systemic
DNEL	Inhalation	0.025 mg/m ³	Consumers	Local
DNEL	Dermal	25 mg/kg bw/day	Consumers	Systemic
DNEL	Oral	20 mg/kg bw/day	Consumers	Systemic
PNEC	Fresh water	1 mg/l	-	-
PNEC	Marine water	0,1 mg/l	-	-
PNEC	Sewage treatment plant	1 mg/l	-	-
PNEC	Soil	1 mg/kg	-	-
-	CAS 101-68-8	-	-	-
DNEL	Inhalation	0.05 mg/m ³	Workers	Local
DNEL	Inhalation	0.025 mg/m ³	Consumers	Local
PNEC	Fresh water	1 mg/l	-	-
PNEC	Marine water	0.1 mg/l	-	-
PNEC	Sewage treatment plant	1 mg/l	-	-
PNEC	Soil	1 mg/kg	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves. Polyvinyl chloride. Recommended thickness:> 0.7 mm.
Breakthrough time:> 480 min. The selection of a suitable gloves does not only depend on the material, but also upon the quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to use. Chemical protection gloves are suitable, which are tested according to EN 374.

Eye protection: Ensure eye bath is to hand. Safety glasses with side-shields. EN 166.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties



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State: Liquid
Colour: Blue
Odour: Characteristic odour

Boiling point/range°C: 208

Flash point°C: >180

Vapour pressure: <5-10 mmHg at 25°C

9.2. Other information

Other information: Density: 1.15 kg/l.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions. Reactivity with water.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions:

Thermal decomposition can lead to release of irritating and toxic gases and vapors.
Polymerization can occur which could be catalyzed by strong bases and water.

10.4. Conditions to avoid

Conditions to avoid: Heat. Humidity.

10.5. Incompatible materials

Materials to avoid:

Oxidisers. Avoid contact with: Metals. Aluminium. Brass. Copper. Galvanized metals. Zinc.
Reaction with water can generate carbon dioxide. Generation of gas can cause pressure build up in closed systems.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

ORL	MUS	LD50	2200	mg/kg
ORL	RAT	LD50	9200	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
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Acute toxicity (ac. tox. 4)	INH	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	INH DRM	Hazardous: calculated
Carcinogenicity	--	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated
STOT-repeated exposure	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: Contact causes skin irritation.

Eye contact: Causes serious eye irritation.

Ingestion: There may be soreness and redness of the mouth and throat. Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

Other information: Suspected of causing cancer.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
CAS 25686-28-6	-	-	-
FISH	96H LC50	>1,000	mg/l
DAPHNIA	24H EC50	129.7	mg/l
ALGAE	3D ErC50	>1,640	mg/l

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

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12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company. Do not discharge into sewers or drains. Avoid release to the environment.

Disposal of packaging: Completely emptied packages can be recycled. Uncleaned packagings:
recommendation: Disposal according to official regulations.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.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 <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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