

SAFETY DATA SHEET

HIPPO LINER - BLACK (A)

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Compilation date: 06-01-2016

Revision No: 1

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

1.1. Product identifier

Product name: HIPPO LINER - BLACK (A)

Product code: 5600 (A)

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

Use of substance / mixture: PC9a: Coatings and paints, thinners, paint removers.

1.3. Details of the supplier of the safety data sheet

Company name: ProPart International B.V.

Molenakker 3

Reuver

5953 TW

The Netherlands

Tel: +31 (0) 77 476 2368

Fax: +31 (0) 77 476 2424

Email: info@propart-international.com

1.4. Emergency telephone number

Emergency tel: +31 (0) 77 476 2368 (08.30-17.00)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Irrit. 2: H319; Acute Tox. 4: H332; Skin Irrit. 2: H315; STOT SE 3: H335; STOT SE 3: H336; STOT RE 2: H373; Resp. Sens. 1: H334; Skin Sens. 1: H317; Carc. 2: H351; Flam. Liq. 2: H225; -: H361

Most important adverse effects: Highly flammable liquid and vapour. Harmful if inhaled. Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Suspected of causing cancer.

2.2. Label elements

Label elements:

Hazard statements: H225: Highly flammable liquid and vapour.

H332: Harmful if inhaled.

H319: Causes serious eye irritation.

H315: Causes skin irritation.

[cont...]

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H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

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

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317: May cause an allergic skin reaction.

H361: Suspected of damaging fertility or the unborn child.

H351: Suspected of causing cancer.

Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark

GHS08: Health hazard



Signal words: Danger

Precautionary statements: P501: Dispose of contents/container to an approved waste disposal according to local/regional/national/international regulations.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240: Ground/Bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting/.. equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P264: Wash hands thoroughly after handling.

P272: Contaminated work clothing should not be allowed out of the workplace.

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

P271: Use only outdoors or in a well-ventilated area.

P284: [In case of inadequate ventilation] wear respiratory protection.

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

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

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

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

P314: Get medical advice/attention if you feel unwell.

P370+378: In case of fire: Use dry chemical powder or alcohol resistant foam to extinguish.

P403+233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

[cont...]

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2.3. Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
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	31.000%

DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

-	9016-87-9	-	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	28.000%
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TOLUENE

203-625-9	108-88-3	-	Flam. Liq. 2: H225; Repr. 2: H361d; Asp. Tox. 1: H304; STOT RE 2: H373; Skin Irrit. 2: H315; STOT SE 3: H336	14.500%
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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	10.500%
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Non-classified ingredients:

P-CHLOROBENZOTRIFLUORIDE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
202-681-1	98-56-6	-	-	11.500%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Remove contaminated clothing and wash before reuse. If irritation persists consult a doctor.

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Eye contact: Bathe the eye with running water for 15 minutes. Remove contact lenses. If irritation persists, consult a doctor.

Ingestion: Do not induce vomiting. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Never give anything by mouth to an unconscious person. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Move to fresh air in case of accidental inhalation of vapours. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Consult a doctor.

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

Skin contact: There may be mild irritation at the site of contact. Cured material is difficult to remove. Persons previously sensitized can experience allergic skin reaction with symptoms of reddening, itching, swelling and rash. Prolonged or repeated contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis (rash).

Eye contact: There may be irritation and redness. Can cause tearing, reddening and swelling. May cause temporary corneal injury.

Ingestion: Substance may be harmful if swallowed. May cause irritation. Symptoms of ingestion may include abdominal pain, nausea, vomiting and diarrhea.

Inhalation: High vapor or spray mist concentrations may be harmful if inhaled. Vapour/mists at concentrations above the exposure limit can irritate (burning sensation) the mucous membranes in the respiratory tract. This can cause a runny nose, sore throat, coughing, chest discomfort, difficult breathing and reduced pulmonary functioning.

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

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers. Alcohol resistant foam. Carbon dioxide. Water spray. Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Nitrous gases, fumes/smoke, isocyanate, vapour.

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.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area

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with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. If outside keep bystanders upwind and away from danger point. Notify the police and fire brigade immediately. If outside do not approach from downwind. Eliminate all sources of ignition.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

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. Avoid direct contact with the substance. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools. After work and before the break to cleanse skin thoroughly. Remove contaminated clothing and wash before reuse. Keep container closed when not in use.

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. Ensure lighting and electrical equipment are not a source of ignition. Protect from moisture. Protect against physical damage.

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
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UK	0.02 mg/m3	0.07 mg/m3	-	-
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DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

UK	0.02 mg/m3	0.07 mg/m3	-	-
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TOLUENE

UK	191 mg/m3	384 mg/m3	-	-
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DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition. Use explosion-proof ventilation.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Hand protection: Chemical resistant gloves. Butyl gloves. Nitrile gloves. Neoprene gloves. PVC gloves.

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

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Translucent, amber.

Odour: Aromatic

Evaporation rate: >1.

Solubility in water: Practically insoluble

Viscosity: 10.000 to 20.000 cps (25°C)

Boiling point/range°C: 110

Melting point/range°C: No data available.

Flammability limits %: lower: 1.1

upper: 7.1

Flash point°C: 4

Autoflammability°C: 480

Vapour pressure: 3.8 kPa (20°C)

VOC g/l: 196 g/l

9.2. Other information

Other information: Density: 1.19 +/- 0.02g (20°C). Vapor Density: >1 (air = 1).

Section 10: Stability and reactivity

10.1. Reactivity

[cont...]

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10.2. Chemical stability

Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reactions

Hazardous reactions: Reacts with water, with formation of carbon dioxide. Risk of bursting. Reacts with alcohols, amines, acids and alkalis. Risk of exothermic reaction. Risk of violent reaction. Risk of polymerization.

10.4. Conditions to avoid

Conditions to avoid: Flames. Any object that sparks. Moisture.

10.5. Incompatible materials

Materials to avoid: Water. Amines. Strong bases. Alcohols. Copper alloys.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides. In combustion emits toxic fumes of hydrogen cyanide. In combustion emits toxic fumes of isocyanate. In combustion emits toxic fumes of isocyanic acid.

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

DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

ORL	RAT	LD50	49	gm/kg
SKN	RBT	LD50	>9400	mg/kg

TOLUENE

IVN	RAT	LD50	1960	mg/kg
ORL	MUS	LD50	2	gm/kg
ORL	RAT	LD50	6900	mg/kg

Relevant hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	INH	Hazardous: calculated

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Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	INH DRM	Hazardous: calculated
Carcinogenicity	--	Hazardous: calculated
Reproductive toxicity	--	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated
STOT-repeated exposure	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact. Cured material is difficult to remove. Persons previously sensitized can experience allergic skin reaction with symptoms of reddening, itching, swelling and rash. Prolonged or repeated contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis (rash).

Eye contact: There may be irritation and redness. Can cause tearing, reddening and swelling. May cause temporary corneal injury.

Ingestion: Substance may be harmful if swallowed. May cause irritation. Symptoms of ingestion may include abdominal pain, nausea, vomiting and diarrhea.

Inhalation: High vapor or spray mist concentrations may be harmful if inhaled. Vapour/mists at concentrations above the exposure limit can irritate (burning sensation) the mucous membranes in the respiratory tract. This can cause a runny nose, sore throat, coughing, chest discomfort, difficult breathing and reduced pulmonary functioning.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

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.

12.6. Other adverse effects

Section 13: Disposal considerations

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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.

Disposal of packaging: Empty containers retain product residue; observe all precautions for product. Decontaminate container prior to disposal.

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

Section 14: Transport information

14.1. UN number

UN number: UN1263

14.2. UN proper shipping name

Shipping name: PAINT

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Tunnel code: D/E

Transport category: 2

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 Regulation (EC) No. 1907/2006.
This safety data sheet is prepared in accordance with Commission Regulation (EC) No 1272/2008.

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

Phrases used in s.2 and s.3: H225: Highly flammable liquid and vapour.

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H304: May be fatal if swallowed and enters airways.

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.

H336: May cause drowsiness or dizziness.

H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H361: Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H361d: Suspected of damaging the unborn child.

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.