

**Safety data sheet**  
 Conform to Regulation EC No. 1907/2006 amended by Regulation  
 (EU) No. 453/2010

Printing date 11.10.2018

Version number 1

Revision: 11.10.2018

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

- 1.1 Product identifier
- Trade name: ASPHALT PAINT EARASER BLACK
- Article number: 448-955
- 1.2 Relevant identified uses of the substance or mixture and uses advised against  
 No further relevant information available.
- Application of the substance / the mixture Road marking paint
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: TAMBOUR LTD.
- Further information obtainable from: Health & Safety
- 1.4 Emergency telephone number: \*6477

**SECTION 2: Hazards identification**

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 2      H225      Highly flammable liquid and vapour.



GHS08 health hazard

Muta. 1B      H340      May cause genetic defects.  
 Carc. 1A      H350      May cause cancer.  
 Repr. 1B      H360FD      May damage fertility. May damage the unborn child.  
 STOT RE 2      H373      May cause damage to organs through prolonged or repeated exposure.



GHS09 environment

Aquatic Acute 1      H400      Very toxic to aquatic life.  
 Aquatic Chronic 1      H410      Very toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2      H315      Causes skin irritation.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008  
 The product is classified and labelled according to the CLP regulation.
- Hazard pictograms GHS02, GHS07, GHS08, GHS09
- Signal word Danger

(Contd. on page 2)

**Safety data sheet**  
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 (EU) No. 453/2010

Printing date 11.10.2018

Version number 1

Revision: 11.10.2018

Trade name: ASPHALT PAINT ERASER BLACK

(Contd. of page 1)

· **Hazard-determining components of labelling:**

toluene

Pitch, coal tar, high-temp.

Creosote oil, acenaphthene fraction

· **Hazard statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H340 May cause genetic defects.

H350 May cause cancer.

H360FD May damage fertility. May damage the unborn child.

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

H410 Very toxic to aquatic life with long lasting effects.

· **Precautionary statements**

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

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

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**

Contains reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700). May produce an allergic reaction.

· **2.3 Other hazards**· **Results of PBT and vPvB assessment**· **PBT:**

65996-93-2 Pitch, coal tar, high-temp.

· **vPvB:** Not applicable.\* **SECTION 3: Composition/information on ingredients**· **3.2 Chemical characterisation: Mixtures**· **Description:** Mixture of substances listed below with nonhazardous additions.· **Dangerous components:**

CAS: 108-88-3 EINECS: 203-625-9	toluene Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	10-25%
CAS: 1330-20-7 EINECS: 215-535-7	xylene (mix) Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	10-25%
CAS: 25154-85-2	copolymer of vinyl chloride and vinyl isobutyl ether Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	2.5-10%
CAS: 65996-93-2 EINECS: 266-028-2	Pitch, coal tar, high-temp. PBT Muta. 1B, H340; Carc. 1A, H350; Repr. 1B, H360FD; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	2.5-10%
CAS: 90640-84-9 EINECS: 292-605-3	Creosote oil, acenaphthene fraction Carc. 1B, H350	1-2.5%

(Contd. on page 3)

**Safety data sheet**  
 Conform to Regulation EC No. 1907/2006 amended by Regulation  
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Printing date 11.10.2018

Version number 1

Revision: 11.10.2018

Trade name: ASPHALT PAINT ERASER BLACK

(Contd. of page 2)

CAS: 1333-86-4 EINECS: 215-609-9	Carbon black Self-heat. 1, H251	1-2.5%
CAS: 25068-38-6 NLP: 500-033-5	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700) Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	<1%

· SVHC

65996-93-2 Pitch, coal tar, high-temp.

· Additional information: For the wording of the listed hazard phrases refer to section 16.

#### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

#### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

#### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Prevent seepage into sewage system, workpits and cellars.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.

(Contd. on page 4)

**Safety data sheet**  
 Conform to Regulation EC No. 1907/2006 amended by Regulation  
 (EU) No. 453/2010

Printing date 11.10.2018

Version number 1

Revision: 11.10.2018

Trade name: ASPHALT PAINT ERASER BLACK

(Contd. of page 3)

See Section 13 for disposal information.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.  
 Open and handle receptacle with care.  
 Prevent formation of aerosols.

**Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.  
 Protect against electrostatic charges.  
 Keep respiratory protective device available.

**7.2 Conditions for safe storage, including any incompatibilities****Storage:**

**Requirements to be met by storerooms and receptacles:** Store in a cool location.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:**

Keep container tightly sealed.  
 Store in cool, dry conditions in well sealed receptacles.

**7.3 Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

**Additional information about design of technical facilities:** No further data; see item 7.

**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****108-88-3 toluene**

WEL (Great Britain) Short-term value: 384 mg/m<sup>3</sup>, 100 ppm  
 Long-term value: 191 mg/m<sup>3</sup>, 50 ppm  
 Sk

TLV (Israel) Long-term value: 50 ppm

**1330-20-7 xylene (mix)**

WEL (Great Britain) Short-term value: 441 mg/m<sup>3</sup>, 100 ppm  
 Long-term value: 220 mg/m<sup>3</sup>, 50 ppm  
 Sk; BMGV

TLV (Israel) Short-term value: 150 ppm  
 Long-term value: 100 ppm

**1333-86-4 Carbon black**

WEL (Great Britain) Short-term value: 7 mg/m<sup>3</sup>  
 Long-term value: 3.5 mg/m<sup>3</sup>

TLV (Israel) Long-term value: 3.5 mg/m<sup>3</sup>

**Ingredients with biological limit values:****108-88-3 toluene**

TLV-TWA (Israel) 50

TLV\_TWA (Israel) 50

**1330-20-7 xylene (mix)**

BMGV (Great Britain) 650 mmol/mol creatinine  
 Medium: urine  
 Sampling time: post shift  
 Parameter: methyl hippuric acid

(Contd. on page 5)

**Safety data sheet**  
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 (EU) No. 453/2010

Printing date 11.10.2018

Version number 1

Revision: 11.10.2018

Trade name: ASPHALT PAINT ERASER BLACK

(Contd. of page 4)

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of 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 the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

**SECTION 9: Physical and chemical properties**

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Liquid

Colour: Black

· **Odour:** Solvent-like

· **Odour threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: 110-111 °C

· **Flash point:** 4 °C

· **Flammability (solid, gas):** Not applicable.

(Contd. on page 6)

**Safety data sheet**  
 Conform to Regulation EC No. 1907/2006 amended by Regulation  
 (EU) No. 453/2010

Printing date 11.10.2018

Version number 1

Revision: 11.10.2018

Trade name: ASPHALT PAINT ERASER BLACK

(Contd. of page 5)

· <b>Ignition temperature:</b>	500 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Explosion limits:</b>	
<b>Lower:</b>	1.1 Vol %
<b>Upper:</b>	7 Vol %
· <b>Vapour pressure at 20 °C:</b>	29 hPa
· <b>Density:</b>	Not determined.
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic at 20 °C:</b>	45 s (ISO 6 mm)
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	32.5 %
<b>VOC Content</b>	32.49 % 324.9 g/l / 2.71 lb/gal
<b>Solids content:</b>	35.0 %
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

#### · LD/LC50 values relevant for classification:

##### 108-88-3 toluene

Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	12,124 mg/kg (rab)
Inhalative	LC50/4 h	5,320 mg/l (mus)

(Contd. on page 7)

GB

**Safety data sheet**  
 Conform to Regulation EC No. 1907/2006 amended by Regulation  
 (EU) No. 453/2010

Printing date 11.10.2018

Version number 1

Revision: 11.10.2018

Trade name: ASPHALT PAINT ERASER BLACK

(Contd. of page 6)

**1330-20-7 xylene (mix)**

Oral	LD50	8,700 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rbt)
Inhalative	LC50/4 h	6,350 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity**  
May cause genetic defects.
- **Carcinogenicity**  
May cause cancer.
- **Reproductive toxicity**  
May damage fertility. May damage the unborn child.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure**  
May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Very toxic for fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Danger to drinking water if even extremely small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Very toxic for aquatic organisms
- **12.5 Results of PBT and vPvB assessment**

· **PBT:**

65996-93-2 | Pitch, coal tar, high-temp.

· **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

GB

(Contd. on page 8)

**Safety data sheet**  
 Conform to Regulation EC No. 1907/2006 amended by Regulation  
 (EU) No. 453/2010

Printing date 11.10.2018




Version number 1

Revision: 11.10.2018

Trade name: ASPHALT PAINT ERASER BLACK

(Contd. of page 7)

### SECTION 14: Transport information

· 14.1 UN-Number · ADR, IMDG, IATA	UN1263
· 14.2 UN proper shipping name · ADR · IMDG · IATA	1263 PAINT, ENVIRONMENTALLY HAZARDOUS PAINT (Pitch, coal tar, high-temp., reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)), MARINE POLLUTANT PAINT
· 14.3 Transport hazard class(es) · ADR, IMDG	
 	
· Class · Label	3 Flammable liquids. 3
· IATA	
	
· Class · Label	3 Flammable liquids. 3
· 14.4 Packing group · ADR, IMDG, IATA	III
· 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR):	Product contains environmentally hazardous substances: Pitch, coal tar, high-temp. No Symbol (fish and tree) Symbol (fish and tree)
· 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Category	Warning: Flammable liquids. - F-E, S-E A
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category · Tunnel restriction code	3 E
· IMDG · Limited quantities (LQ)	5L

(Contd. on page 9)



**Safety data sheet**  
 Conform to Regulation EC No. 1907/2006 amended by Regulation  
 (EU) No. 453/2010

Printing date 11.10.2018

Version number 1

Revision: 11.10.2018

Trade name: ASPHALT PAINT ERASER BLACK

(Contd. of page 8)

· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>UN "Model Regulation":</b>	UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS

### SECTION 15: Regulatory information

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

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms GHS02, GHS07, GHS08, GHS09**

· **Signal word Danger**

· **Hazard-determining components of labelling:**

toluene

Pitch, coal tar, high-temp.

Creosote oil, acenaphthene fraction

· **Hazard statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H340 May cause genetic defects.

H350 May cause cancer.

H360FD May damage fertility. May damage the unborn child.

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

H410 Very toxic to aquatic life with long lasting effects.

· **Precautionary statements**

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

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

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category**

E1 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t**

· **Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t**

· **LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)**

65996-93-2	Pitch, coal tar, high-temp.	Sunset date: 2020-10-04
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· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 28, 29, 30, 31d, 40, 48

· **Regulation (EU) No 649/2012**

90640-84-9	Creosote oil, acenaphthene fraction	Annex I Part I
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· **National regulations:**

· **Additional classification according to Decree on Hazardous Materials, Annex II:**

Carcinogenic hazardous material group III (dangerous).

(Contd. on page 10)

**Safety data sheet**  
**Conform to Regulation EC No. 1907/2006 amended by Regulation**  
**(EU) No. 453/2010**

Printing date 11.10.2018

Version number 1

Revision: 11.10.2018

**Trade name: ASPHALT PAINT ERASER BLACK**

(Contd. of page 9)

· **Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

· **Technical instructions (air):**

Class	Share in %
NK	32.5

· **Waterhazard class:** Water hazard class 3 (Self-assessment): extremely hazardous for water.

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

65996-93-2	Pitch, coal tar, high-temp.
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· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.  
 H226 Flammable liquid and vapour.  
 H251 Self-heating: may catch fire.  
 H302 Harmful if swallowed.  
 H304 May be fatal if swallowed and enters airways.  
 H312 Harmful in contact with skin.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H332 Harmful if inhaled.  
 H336 May cause drowsiness or dizziness.  
 H340 May cause genetic defects.  
 H350 May cause cancer.  
 H360FD May damage fertility. May damage the unborn child.  
 H361d Suspected of damaging the unborn child.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H411 Toxic to aquatic life with long lasting effects.

· **Department issuing SDS:** Tambour Ltd.- Health & Safety Department.

· **Contact:**

Moti Adler  
 Phone: +972(4)985-3795  
 e-mail: motiA@tambour.co.il

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 VOC: Volatile Organic Compounds (USA, EU)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 SVHC: Substances of Very High Concern

(Contd. on page 11)

**Safety data sheet**  
**Conform to Regulation EC No. 1907/2006 amended by Regulation**  
**(EU) No. 453/2010**

Printing date 11.10.2018

Version number 1

Revision: 11.10.2018

**Trade name: ASPHALT PAINT ERASER BLACK**

(Contd. of page 10)

vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 2: Flammable liquids – Category 2  
Flam. Liq. 3: Flammable liquids – Category 3  
Self-heat. 1: Self-heating substances and mixtures – Category 1  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Skin Sens. 1: Skin sensitisation – Category 1  
Muta. 1B: Germ cell mutagenicity – Category 1B  
Carc. 1A: Carcinogenicity – Category 1A  
Carc. 1B: Carcinogenicity – Category 1B  
Repr. 1B: Reproductive toxicity – Category 1B  
Repr. 2: Reproductive toxicity – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2  
Asp. Tox. 1: Aspiration hazard – Category 1  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

**\* Data compared to the previous version altered.**

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