Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 14.07.2014 **Revision:** 14.07.2014

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

· **1.1 Product identifier**

· **Trade name: Blackcote Glossy Black Coating**

· **Article number:** 41218

· **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:** Coating compound/ Surface coating/ paint

· **1.3 Details of the supplier of the Safety Data Sheet**

· **Manufacturer/Supplier:**
Absolute Coatings Inc.
38 Portman Road
New Rochelle, NY 10801
Phone: 1-800-221-8010

· **1.4 Emergency telephone number:**
ChemTel Inc.
(800)255-3924, +1 (813)248-0585

2 Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**
The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H412.


Flame

Flam. Aerosol 1;H222-H229: Extremely flammable aerosol. Pressurised container: May burst if heated.


Health hazard

Muta. 1B; H340: May cause genetic defects.
Carc. 1B; H350: May cause cancer.

Skin Irrit. 2; H315: Causes skin irritation.
Eye Irrit. 2; H319: Causes serious eye irritation.

Asp. Tox. 1; H304: May be fatal if swallowed and enters airways.
Aquatic Chronic 3; H412: Harmful to aquatic life with long lasting effects.

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xi; Irritant
R36: Irritating to eyes.

(Contd. on page 2)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 14.07.2014 **Revision:** 14.07.2014

Trade name: Blackcote Glossy Black Coating

(Contd. of page 1)


F+; Extremely flammable

R12: Extremely flammable.

R52/53-67: Harmful to aquatic organism s, may cause long-term adverse effects in the aquatic environment.
Vapours may cause drowsiness and dizziness.

· **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Vapours of the product are heavier than air and may accumulate on the ground, in mines, drains or cellars with higher concentration.
Warning! Pressurized container.

· **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**
The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H412.
The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**


GHS02 GHS07 GHS08

· **Signal word:** Danger

· **Hazard-determining components of labelling:**
Solvent naphtha (petroleum), light arom.
Stoddard solvent

· **Hazard statements:**
The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H412.
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H340: May cause genetic defects.
H350: May cause cancer.
H412: Harmful to aquatic life with long lasting effects.

· **Precautionary statements:**
P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P251: Pressurized container: Do not pierce or burn, even after use.

(Contd. on page 3)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 14.07.2014 **Revision:** 14.07.2014

Trade name: Blackcote Glossy Black Coating

(Contd. of page 2)

P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P211: Do not spray on an open flame or other ignition source.
P281: Use personal protective equipment as required.
P314: Get medical advice/attention if you feel unwell.
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

· **Additional information:**
Restricted to professional users.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.
Buildup of explosive mixtures possible without sufficient ventilation.

· **Hazard description:**

· **WHMIS-symbols:**
A - Compressed gas
B5 - Flammable aerosol
D2B - Toxic material causing other toxic effects

· **NFPA ratings (scale 0 - 4)**

Health = 3
Fire = 4
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = *3
Fire = 4
Reactivity = 0

* - Indicates a long term health hazard from repeated or prolonged exposures.

· **HMIS Long Term Health Hazard Substances**	
100-41-4	ethylbenzene

· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **3.2 Mixture**
· **Description:** Mixture of substances listed below with nonhazardous additions.

(Contd. on page 4)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 14.07.2014 **Revision:** 14.07.2014

Trade name: Blackcote Glossy Black Coating

(Contd. of page 3)

· **Dangerous components:**

CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5	propane F+ R12 Flam. Gas 1, H220 Press. Gas, H280	10-25%
CAS: 8052-41-3 EINECS: 232-489-3 Index number: 649-345-00-4	Stoddard solvent Xn R65 R10 Carc. Cat. 2, Muta. Cat. 2 Flam. Liq. 3, H226 Asp. Tox. 1, H304	10-25%
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8	acetone Xi R36; F R11 R66-67 Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	10-25%
CAS: 540-88-5 EINECS: 208-760-7 Index number: 607-026-00-7	tert-butyl acetate F R11 R66 Flam. Liq. 2, H225	10-25%
CAS: 64742-95-6 EINECS: 265-199-0 Index number: 649-356-00-4	Solvent naphtha (petroleum), light arom. Xn R65 Flam. Liq. 3, H226 Muta. 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304	2,5-10%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7	2-methoxy-1-methylethyl acetate R10 Flam. Liq. 3, H226	2,5-10%
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9	xylene Xn R20/21; Xi R38 R10 Flam. Liq. 3, H226 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	2,5-10%
CAS: 95-63-6 EINECS: 202-436-9 Index number: 601-043-00-3	1,2,4-trimethylbenzene Xn R20; Xi R36/37/38; N R51/53 R10 Flam. Liq. 3, H226 Aquatic Chronic 2, H411 Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	2,5-10%
	carbon black substance with a Community workplace exposure limit	≤ 2,5%

(Contd. on page 5)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 14.07.2014 **Revision:** 14.07.2014

Trade name: Blackcote Glossy Black Coating

(Contd. of page 4)

CAS: 100-41-4 EINECS: 202-849-4 Index number: 601-023-00-4	ethylbenzene Xn R20; F R11 Flam. Liq. 2, H225 Carc. 2, H351 Acute Tox. 4, H332 Aquatic Chronic 3, H412	≤ 2,5%
CAS: 108-67-8 EINECS: 203-604-4 Index number: 601-025-00-5	mesitylene Xi R37; N R51/53 R10 Flam. Liq. 3, H226 Aquatic Chronic 2, H411 STOT SE 3, H335	≤ 2,5%
CAS: 98-82-8 EINECS: 202-704-5 Index number: 601-024-00-X	cumene Xn R65; Xi R37; N R51/53 R10 Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H335	≤ 2,5%

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

4 First aid measures

· **4.1 Description of first aid measures**
· **General information:** Take affected persons out into the fresh air.
· **After inhalation:**
Seek medical treatment in case of complaints.
Supply fresh air.
In case of irregular breathing or respiratory arrest provide artificial respiration.
Supply fresh air; consult doctor in case of complaints.
In case of unconsciousness place patient stably in side position for transportation.
· **After skin contact:** If skin irritation continues, consult a doctor.
· **After eye contact:**
Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:**
Unlikely route of exposure.
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
A person vomiting while laying on their back should be turned onto their side.
· **4.2 Most important symptoms and effects, both acute and delayed**
Coughing
Dizziness
Nausea
Cramp
Profuse sweating
Disorientation

(Contd. on page 6)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 14.07.2014 **Revision:** 14.07.2014

Trade name: Blackcote Glossy Black Coating

(Contd. of page 5)

Unconsciousness
· **Hazards**
Condition may deteriorate with alcohol consumption.
Danger of disturbed cardiac rhythm.
Danger of pulmonary oedema.
Danger of convulsion.
Danger of impaired breathing.
· **4.3 Indication of any immediate medical attention and special treatment needed**
If swallowed, gastric irrigation with added, activated carbon.
May produce a narcotic effect.
Monitor circulation, possible shock treatment.
Later observation for pneumonia and pulmonary oedema.
Medical supervision for at least 48 hours.
If necessary oxygen respiration treatment.
If swallowed or in case of vomiting, danger of entering the lungs.

5 Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
Foam
Alcohol resistant foam
Fire-extinguishing powder
Gaseous extinguishing agents
Carbon dioxide
Water haze or fog
CO2, sand, extinguishing powder. Do not use water.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **5.2 Special hazards arising from the substance or mixture:**
Danger of receptacles bursting because of high vapour pressure when heated.
· **5.3 Advice for firefighters**
· **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
· **Additional information:**
No further relevant information available.
Eliminate all ignition sources if safe to do so.
Cool endangered receptacles with water fog or haze.

6 Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures:**
Use respiratory protective device against the effects of fumes/dust/aerosol.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.
Protect from heat.

(Contd. on page 7)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 14.07.2014 **Revision:** 14.07.2014

Trade name: Blackcote Glossy Black Coating

(Contd. of page 6)

· **6.2 Environmental precautions:**
Do not allow to enter sewers/ surface or ground water.
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
· **6.3 Methods and material for containment and cleaning up:**
Allow to solidify. Pick up mechanically.
Clean the affected area carefully; suitable cleaners are:
Organic solvent
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
· **6.4 Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

· **7.1 Precautions for safe handling:**
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
· **Information about fire - and explosion protection:**
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.
Emergency cooling must be available in case of nearby fire.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Observe official regulations on storing packagings with pressurized containers.
Provide ventilation for receptacles.
Avoid storage near extreme heat, ignition sources or open flame.
· **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidizing agents.
· **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Keep container tightly sealed.
Do not seal receptacle gas tight.
Protect from heat and direct sunlight.
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
· **7.3 Specific end use(s):** No further relevant information available.

(Contd. on page 8)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 14.07.2014 **Revision:** 14.07.2014

Trade name: Blackcote Glossy Black Coating

(Contd. of page 7)

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:**

74-98-6 propane	
PEL (USA)	Long-term value: 1800 mg/m³, 1000 ppm
REL (USA)	Long-term value: 1800 mg/m³, 1000 ppm
TLV (USA)	refer to Appendix F: minimal oxygen content
EL (Canada)	Long-term value: 1000 ppm
EV (Canada)	Long-term value: 1,000 ppm
8052-41-3 Stoddard solvent	
PEL (USA)	Long-term value: 2900 mg/m³, 500 ppm
REL (USA)	Short-term value: C 1800* mg/m³ Long-term value: 350 mg/m³ *15-min
TLV (USA)	Long-term value: 525 mg/m³, 100 ppm
EL (Canada)	Short-term value: 580 mg/m³ Long-term value: 290 mg/m³
EV (Canada)	Long-term value: 525 mg/m³
67-64-1 acetone	
IOELV (EU)	Long-term value: 1210 mg/m³, 500 ppm
PEL (USA)	Long-term value: 2400 mg/m³, 1000 ppm
REL (USA)	Long-term value: 590 mg/m³, 250 ppm
TLV (USA)	Short-term value: (1782) NIC-1187 mg/m³, (750) NIC-500 ppm Long-term value: (1188) NIC-475 mg/m³, (500) NIC-200 ppm BEI
EL (Canada)	Short-term value: 500 ppm Long-term value: 250 ppm
EV (Canada)	Short-term value: 750 ppm Long-term value: 500 ppm
540-88-5 tert-butyl acetate	
PEL (USA)	Long-term value: 950 mg/m³, 200 ppm
REL (USA)	Long-term value: 950 mg/m³, 200 ppm
TLV (USA)	Long-term value: 950 mg/m³, 200 ppm
EL (Canada)	Long-term value: 200 ppm
EV (Canada)	Long-term value: 950 mg/m³, 200 ppm
108-65-6 2-methoxy-1-methylethyl acetate	
IOELV (EU)	Short-term value: 550 mg/m³, 100 ppm Long-term value: 275 mg/m³, 50 ppm Skin

(Contd. on page 9)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 14.07.2014 **Revision:** 14.07.2014

Trade name: Blackcote Glossy Black Coating

(Contd. of page 8)

WEEL (USA)	Long-term value: 50 ppm
EL (Canada)	Short-term value: 75 ppm Long-term value: 50 ppm
EV (Canada)	Long-term value: 270 mg/m³, 50 ppm
1330-20-7 xylene	
IOELV (EU)	Short-term value: 442 mg/m³, 100 ppm Long-term value: 221 mg/m³, 50 ppm Skin
PEL (USA)	Long-term value: 435 mg/m³, 100 ppm
REL (USA)	Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm
TLV (USA)	Short-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm BEI
EL (Canada)	Short-term value: 150 ppm Long-term value: 100 ppm
EV (Canada)	Short-term value: 650 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm
95-63-6 1,2,4-trimethylbenzene	
IOELV (EU)	Long-term value: 100 mg/m³, 20 ppm
REL (USA)	Long-term value: 125 mg/m³, 25 ppm
TLV (USA)	Long-term value: 123 mg/m³, 25 ppm
carbon black	
PEL (USA)	Long-term value: 3,5 mg/m³
REL (USA)	Long-term value: 3,5* mg/m³ *0,1 in presence of PAHs;See Pocket Guide Apps.A+C
TLV (USA)	Long-term value: 3* mg/m³ *inhalable fraction
EL (Canada)	Long-term value: 3 mg/m³ IARC 2B
EV (Canada)	Long-term value: 3,5 mg/m³
100-41-4 ethylbenzene	
IOELV (EU)	Short-term value: 884 mg/m³, 200 ppm Long-term value: 442 mg/m³, 100 ppm Skin
PEL (USA)	Long-term value: 435 mg/m³, 100 ppm
REL (USA)	Short-term value: 545 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm
TLV (USA)	Short-term value: 543 mg/m³, 125 ppm Long-term value: 87 mg/m³, 20 ppm BEI

(Contd. on page 10)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 14.07.2014 **Revision:** 14.07.2014

Trade name: Blackcote Glossy Black Coating

(Contd. of page 9)

EL (Canada)	Long-term value: 20 ppm IARC 2B
EV (Canada)	Short-term value: 540 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm
108-67-8 mesitylene	
IOELV (EU)	Long-term value: 100 mg/m³, 20 ppm
REL (USA)	Long-term value: 125 mg/m³, 25 ppm
TLV (USA)	Long-term value: 123 mg/m³, 25 ppm
98-82-8 cumene	
IOELV (EU)	Short-term value: 250 mg/m³, 50 ppm Long-term value: 100 mg/m³, 20 ppm Skin
PEL (USA)	Long-term value: 245 mg/m³, 50 ppm Skin
REL (USA)	Long-term value: 245 mg/m³, 50 ppm Skin
TLV (USA)	Long-term value: 246 mg/m³, 50 ppm
EL (Canada)	Short-term value: 75 ppm Long-term value: 25 ppm
EV (Canada)	Long-term value: 245 mg/m³, 50 ppm Skin

· **DNELs:** No further relevant information available.
· **PNECs:** No further relevant information available.

· **Ingredients with biological limit values:**	
67-64-1 acetone	
BEI (USA)	50 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
1330-20-7 xylene	
BEI (USA)	1,5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
100-41-4 ethylbenzene	
BEI (USA)	0,7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative)

(Contd. on page 11)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 14.07.2014 **Revision:** 14.07.2014

Trade name: Blackcote Glossy Black Coating

(Contd. of page 10)

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

· **8.2 Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
· **Respiratory protection:** Use suitable respiratory protective device when aerosol or mist is formed.
· **Protection of hands:**
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**
Fluorocarbon rubber (Viton)
Neoprene 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

· **Body protection:** Solvent resistant protective clothing
· **Limitation and supervision of exposure into the environment:**
No further relevant information available.
· **Risk management measures:**
See Section 7 for additional information.
No further relevant information available.

9 Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**
· **General Information**
· **Appearance:**

Form:	Aerosol
Colour:	Black

(Contd. on page 12)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 14.07.2014 **Revision:** 14.07.2014

Trade name: Blackcote Glossy Black Coating

(Contd. of page 11)

· **Odour:**	Solvent-like
· **Odour threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Change in condition**	
Melting point/Melting range:	-140 °F / -95,3 °C
Boiling point/Boiling range:	133°F > 56 °C
· **Flash point:**	>-1,4°F> -17 °C
· **Flammability (solid, gaseous):**	NFPA Level 3 Aerosol
· **Auto/Self-ignition temperature:**	445°F 228,4 °C
· **Decomposition temperature:**	Not determined.
· **Self-igniting:**	Product is not self-igniting.
· **Danger of explosion:**	Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
· **Explosion limits:**	
Lower:	0,7 Vol %
Upper:	13,0 Vol %
· **Vapour pressure:**	Not determined.
· **Density at 20 °C:**	0,74 g/cm³
· **Relative density**	Not determined.
· **Vapour density**	4800 g/cm³ (Maximum)
· **Evaporation rate**	Not applicable.
· **Solubility in / Miscibility with water:**	Not miscible or difficult to mix.
· **Partition coefficient (n-octanol/water):**	Not determined.
· **Viscosity:**	
Dynamic:	Not determined.
Kinematic:	Not determined.
· **Solvent content:**	
Organic solvents:	78,5 % (Max - 424 g/L)
VOC (US EPA Method 24A)	53 % Wt / 61 % Vol (Max)
Solids content:	1,0 %
· **9.2 Other information**	No further relevant information available.

10 Stability and reactivity

· **10.1 Reactivity**
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.

(Contd. on page 13)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 14.07.2014 **Revision:** 14.07.2014

Trade name: Blackcote Glossy Black Coating

(Contd. of page 12)

· **10.3 Possibility of hazardous reactions**
Forms explosive gas mixture with air.
Can react violently with oxygen rich (oxidizing) material.
Danger of Explosion.
Toxic fumes may be released if heated above the decomposition point.
Used empty containers may contain product gases which form explosive mixtures with air.
Develops readily flammable gases/fumes.
Flammable.
Danger of receptacles bursting because of high vapour pressure when heated.
Reacts with oxidizing agents.
Forms flammable gases/fumes.
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.
· **10.4 Conditions to avoid**
Keep ignition sources away - Do not smoke.
Store away from oxidizing agents.
· **10.5 Incompatible materials:** No further relevant information available.
· **10.6 Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Hydrocarbons
Danger of forming toxic pyrolysis products.

11 Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**		
64742-95-6 Solvent naphtha (petroleum), light arom.		
Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rab)
Inhalative	LC50/4 h	>10,2 mg/l (rat)
95-63-6 1,2,4-trimethylbenzene		
Oral	LD50	5000 mg/kg (rat)

· **Primary irritant effect:**
· **On the skin:** No irritant effect.
· **In the eye:** Irritating effect.
· **Sensitization:** No sensitizing effects known.
· **Subacute to chronic toxicity:** Vapours have narcotic effect.
· **Additional toxicological information:**
Toxic and/or corrosive effects may be delayed up to 24 hours.
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
· **Repeated dose toxicity:** May cause damage to organs through prolonged or repeated exposure.

(Contd. on page 14)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 14.07.2014 **Revision:** 14.07.2014

Trade name: Blackcote Glossy Black Coating

(Contd. of page 13)

· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):**
Muta. 1B, Carc. 1B

12 Ecological information

· **12.1 Toxicity**
· **Aquatic toxicity:** The product contains materials that are harmful to the environment.
· **12.2 Persistence and degradability:** The product is partially biodegradable. Significant residuals remain.
· **12.3 Bioaccumulative potential:** No further relevant information available.
· **12.4 Mobility in soil:** No further relevant information available.
· **Ecotoxical effects:**
· **Remark:** Harmful to fish
· **Additional ecological information:**
· **General notes:**
This statement was deduced from products with a similar structure or composition.
Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Harmful to aquatic organisms
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Other adverse effects:** No further relevant information available.

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.
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **14.1 UN-Number**
· **DOT, ADR, IMDG, IATA** UN1950

· **14.2 UN proper shipping name**
· **DOT** Aerosols, flammable
· **ADR** 1950 AEROSOLS
· **IMDG** AEROSOLS
· **IATA** AEROSOLS, flammable

(Contd. on page 15)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 14.07.2014 **Revision:** 14.07.2014

Trade name: Blackcote Glossy Black Coating

(Contd. of page 14)

· **14.3 Transport hazard class(es)**

· **DOT**

· **Class**	2.1
· **Label**	2.1

· **ADR**

· **Class**	2 5F Gases.
· **Label**	2.1

· **IMDG, IATA**

· **Class**	2.1
· **Label**	2.1

· **14.4 Packing group**
· **DOT, ADR, IMDG, IATA** Not Regulated

· **14.5 Environmental hazards:**
· **Marine pollutant:** No

· **14.6 Special precautions for user** Warning: Gases.
· **Danger code (Kemler):** -
· **EMS Number:** F-D,S-U

· **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **ADR**

· **Limited quantities (LQ)**	1L
· **Transport category**	2
· **Tunnel restriction code**	D
· **UN "Model Regulation":**	UN1950, AEROSOLS, 2.1

(Contd. on page 16)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 14.07.2014 **Revision:** 14.07.2014

Trade name: Blackcote Glossy Black Coating

(Contd. of page 15)

15 Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **United States (USA)**
· **SARA**

· **Section 355 (extremely hazardous substances):**
None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

1330-20-7	xylene
95-63-6	1,2,4-trimethylbenzene
100-41-4	ethylbenzene
98-82-8	cumene

· **TSCA (Toxic Substances Control Act):**
All ingredients are listed.

· **Proposition 65 (California):**

· **Chemicals known to cause cancer:**

	carbon black
100-41-4	ethylbenzene
98-82-8	cumene

· **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**
None of the ingredients is listed.

· **Carcinogenic Categories**

· **EPA (Environmental Protection Agency)**		
67-64-1	acetone	I
1330-20-7	xylene	I
100-41-4	ethylbenzene	D
98-82-8	cumene	CBD
· **IARC (International Agency for Research on Cancer)**		
1330-20-7	xylene	3
	carbon black	2B
100-41-4	ethylbenzene	2B
· **TLV (Threshold Limit Value established by ACGIH)**		
67-64-1	acetone	A4
1330-20-7	xylene	A4
	carbon black	A4

(Contd. on page 17)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 14.07.2014 **Revision:** 14.07.2014

Trade name: Blackcote Glossy Black Coating

(Contd. of page 16)

100-41-4	ethylbenzene	A3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**
carbon black

· **Canada**

· **Canadian Domestic Substances List (DSL)**	
74-98-6	propane
8052-41-3	Stoddard solvent
67-64-1	acetone
64742-95-6	Solvent naphtha (petroleum), light arom.
108-65-6	2-methoxy-1-methylethyl acetate
1330-20-7	xylene
95-63-6	1,2,4-trimethylbenzene
	carbon black
100-41-4	ethylbenzene
108-67-8	mesitylene
98-82-8	cumene

· **Canadian Ingredient Disclosure list (limit 0.1%)**	
95-63-6	1,2,4-trimethylbenzene
100-41-4	ethylbenzene
108-67-8	mesitylene

· **Canadian Ingredient Disclosure list (limit 1%)**	
8052-41-3	Stoddard solvent
67-64-1	acetone
540-88-5	tert-butyl acetate
	carbon black
98-82-8	cumene

· **National regulations:**

· **Other regulations, limitations and prohibitive regulations**
HSNO Number: 2.1.2A, 6.6A, 6.7A, 6.1E, 6.3A, 6.4A, 9.1C

· **Substances of very high concern (SVHC) according to REACH, Article 57**
None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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**
H220: Extremely flammable gas.
H225: Highly flammable liquid and vapour.

(Contd. on page 18)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 14.07.2014 **Revision:** 14.07.2014

Trade name: Blackcote Glossy Black Coating

(Contd. of page 17)

H226: Flammable liquid and vapour.
H280: Contains gas under pressure; may explode if heated.
H304: May be fatal if swallowed and enters airways.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H340: May cause genetic defects.
H350: May cause cancer.
H351: Suspected of causing cancer.
H411: Toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

R10: Flammable.
R11: Highly flammable.
R12: Extremely flammable.
R20: Harmful by inhalation.
R20/21: Harmful by inhalation and in contact with skin.
R36: Irritating to eyes.
R36/37/38: Irritating to eyes, respiratory system and skin.
R37: Irritating to respiratory system.
R38: Irritating to skin.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65: Harmful: may cause lung damage if swallowed.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.

· **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
DOT: US Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
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)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Flam. Gas 1: Flammable gases, Hazard Category 1
Flam. Aerosol 1: Flammable aerosols, Hazard Category 1
Press. Gas: Gases under pressure: Compressed gas
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

(Contd. on page 19)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 14.07.2014 **Revision:** 14.07.2014

Trade name: Blackcote Glossy Black Coating

(Contd. of page 18)

Muta. 1B: Germ cell mutagenicity, Hazard Category 1B
Carc. 1B: Carcinogenicity, Hazard Category 1B
Carc. 2: Carcinogenicity, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3