



NIELSEN

SAFETY DATA SHEET SATIN BLACK PAINT

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

1.1. Product identifier

Product name SATIN BLACK PAINT
Internal identification B080

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

Identified uses Paint.

1.3. Details of the supplier of the safety data sheet

Supplier NIELSEN CHEMICALS
RAWDON ROAD
MOIRA
SWADLINCOTE
DERBYSHIRE
DE12 6DA
info@nielsenchemicals.com
TEL: +44 (0) 1283 222277
FAX: +44 (0) 1283 225731

1.4. Emergency telephone number

Emergency telephone +44 (0) 777 8505 330 (24 hrs). +44 (0) 1865 407333 (24 hrs). MEDICAL AND ENVIRONMENTAL EMERGENCIES ONLY.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Aerosol 1 - H222, H229
Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H336 STOT RE 2 - H373
Environmental hazards Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC) Xn;R20/21. Xi;R36/38. F+;R12.

2.2. Label elements

Pictogram



Signal word

Danger

SATIN BLACK PAINT

Hazard statements	<p>H222 Extremely flammable aerosol.</p> <p>H229 Pressurised container: may burst if heated</p> <p>H315 Causes skin irritation.</p> <p>H319 Causes serious eye irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p>
Precautionary statements	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P211 Do not spray on an open flame or other ignition source.</p> <p>P251 Do not pierce or burn, even after use.</p> <p>P260 Do not breathe spray.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P273 Avoid release to the environment.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P312 Call a POISON CENTER/ doctor if you feel unwell.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p> <p>P280 Wear protective clothing, gloves, eye and face protection.</p>
Supplemental label information	EUH066 Repeated exposure may cause skin dryness or cracking.
Contains	ACETONE, XYLENE

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ACETONE	30-60%
CAS number: 67-64-1	EC number: 200-662-2
	REACH registration number: 01-2119471330-49-xxxx
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225	F;R11 Xi;R36 R66 R67
Eye Irrit. 2 - H319	
STOT SE 3 - H336	
HYDROCARBON PROPELLANT	30-60%
CAS number: 68476-85-7	EC number: 270-704-2
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Gas 1 - H220	F+;R12.
Press. Gas, Liquefied - H280	

SATIN BLACK PAINT

XYLENE		10-30%
CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119488216-32-XXXX
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 STOT RE 2 - H373 Asp. Tox. 1 - H304	Classification (67/548/EEC or 1999/45/EC) Xn;R20/21. Xi;R38. R10.	
ETHYLBENZENE		1-5%
CAS number: 100-41-4	EC number: 202-849-4	
Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H332	Classification (67/548/EEC or 1999/45/EC) F;R11 Xn;R20	
TRIZINC BIS(ORTHOPHOSPHATE)		1-5%
CAS number: 7779-90-0	EC number: 231-944-3	
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) N;R50/53	
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)		1-5%
CAS number: 64742-82-1	EC number: 919-446-0	REACH registration number: 01-2119458049-33-0000
Classification Flam. Liq. 3 - H226 STOT SE 3 - H336 STOT RE 1 - H372 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) Xn;R65. N;R51/53. R10,R66,R67.	

SATIN BLACK PAINT

METHANOL			<1%
CAS number: 67-56-1	EC number: 200-659-6	REACH registration number: 01-2119433307-44	
Classification Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370		Classification (67/548/EEC or 1999/45/EC) F;R11 T;R23/24/25,R39/23/24/25	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

Inhalation	May cause drowsiness or dizziness.
Ingestion	May cause discomfort if swallowed. Central nervous system depression.
Skin contact	Causes skin irritation. Repeated exposure may cause skin dryness or cracking.
Eye contact	Causes serious eye irritation.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Extremely flammable aerosol. Pressurised container: may burst if heated
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO ₂). Hydrocarbons.

5.3. Advice for firefighters

Protective actions during firefighting	Containers close to fire should be removed or cooled with water.
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SECTION 6: Accidental release measures

SATIN BLACK PAINT

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage. Do not touch or walk into spilled material. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Provide adequate ventilation. Take precautionary measures against static discharges. Do not handle broken packages without protective equipment. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Wash thoroughly after dealing with a spillage.

6.2. Environmental precautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground. Toxic to aquatic life with long lasting effects.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Contain and absorb spillage with sand, earth or other non-combustible material. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Provide adequate ventilation. Use only outdoors or in a well-ventilated area. Avoid contact with skin, eyes and clothing. Avoid release to the environment. Avoid breathing vapour/spray. Do not expose to temperatures exceeding 50°C/122°F. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not empty into drains. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store at temperatures between 4°C and 40°C.

Storage class

Flammable compressed gas storage.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³

HYDROCARBON PROPELLANT

SATIN BLACK PAINT

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m³

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m³

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 220 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 441 mg/m³(Sk)

ETHYLBENZENE

Long-term exposure limit (8-hour TWA): WEL 100 ppm(Sk) 441 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 125 ppm(Sk) 552 mg/m³(Sk)

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Long-term exposure limit (8-hour TWA): WEL 350 mg/m³

METHANOL

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 266 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 250 ppm(Sk) 333 mg/m³(Sk)

WEL = Workplace Exposure Limit

ACETONE (CAS: 67-64-1)

DNEL	Industry - Dermal; Long term : 186 mg/kg/day Industry - Inhalation; Short term : 2420 mg/m ³ Industry - Inhalation; Long term : 1210 mg/m ³ Consumer - Oral; Long term : 62 mg/kg/day Consumer - Dermal; Long term : 62 mg/kg/day Consumer - Inhalation; Long term : 200 mg/m ³
PNEC	- Fresh water; 10.6 mg/l - Marine water; 1.06 mg/l - water; 21 mg/l - Sediment; 3.04 mg/kg - Soil; 33.3 mg/l - STP; 29.5 mg/l

XYLENE (CAS: 1330-20-7)

DNEL	Industry - Inhalation; Short term : 442 mg/m ³ Industry - Inhalation; Long term : 221 mg/m ³ Industry - Dermal; Long term : 3182 mg/kg/day Consumer - Inhalation; Short term : 260 mg/m ³ Consumer - Inhalation; Long term : 65.3 mg/m ³ Consumer - Dermal; : 1872 mg/kg/day Consumer - Oral; Long term : 12.5 mg/kg/day
PNEC	- Fresh water; 0.327 mg/l - Marine water; 0.327 mg/l - Sediment (Freshwater); 12.46 - Sediment (Marinewater); 12.46 mg/l - Soil; 2.31 mg/kg - STP; 6.58 mg/l

ETHYLBENZENE (CAS: 100-41-4)

SATIN BLACK PAINT

DNEL	Workers - Inhalation; Long term systemic effects: 77 mg/m ³ Workers - Inhalation; Short term local effects: 293 mg/m ³ Workers - Dermal; Long term systemic effects: 180 mg/kg/day General population - Inhalation; Long term systemic effects: 15 mg/m ³ General population - Oral; Long term systemic effects: 1.6 mg/kg/day
PNEC	- Fresh water; 0.1 mg/l - Marine water; 0.01 mg/l - Intermittent release; 0.1 mg/l - STP; 9.6 mg/l - Sediment (Freshwater); 13.7 mg/kg/day - Sediment (Marinewater); 1.37 mg/kg/day - Soil; 2.68 mg/kg/day

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (CAS: 64742-82-1)

DNEL	Workers - Inhalation; Long term systemic effects: 330 mg/m ³ Workers - Dermal; Long term systemic effects: 44 mg/kg/day Consumer - Inhalation; Long term systemic effects: 71 mg/m ³ Consumer - Dermal; Long term systemic effects: 26 mg/kg/day Consumer - Oral; Long term systemic effects: 26 mg/kg/day
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METHANOL (CAS: 67-56-1)

DNEL	Industry - Dermal; : 40 mg/kg/day Industry - Inhalation; : 260 mg/m ³ Consumer - Dermal; : 8 mg/kg/day Consumer - Inhalation; : 50 mg/m ³
PNEC	- Sediment; 570.4 mg/kg - Soil; 23.5 mg/kg - STP; 100 mg/l - Fresh water; 154 mg/l - Marine water; 15.4 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

SATIN BLACK PAINT

Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that chemical-resistant, impervious gloves are worn. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 4 hours. When used with mixtures, the protection time of gloves cannot be accurately estimated. For exposure up to 4 hours, wear gloves made of the following material: Rubber (natural, latex). Thickness: > 0.48 mm Neoprene. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. It should be noted that liquid may penetrate the gloves.
Hygiene measures	Wash hands thoroughly after handling.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Black.
Odour	Acetone. Ketonic. Hydrocarbons.
pH	Not applicable.
Flash point	< 21°C PMCC (Pensky-Martens closed cup).
Solubility(ies)	Insoluble in water.

9.2. Other information

Volatile organic compound	This product contains a maximum VOC content of 657 g/litre.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not determined.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.
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10.5. Incompatible materials

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO ₂). Hydrocarbons.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

SATIN BLACK PAINT

Acute toxicity - oral

ATE oral (mg/kg) 107,142.86

Acute toxicity - dermal

ATE dermal (mg/kg) 10,906.76

Acute toxicity - inhalation

ATE inhalation (gases ppm) 35,714.29

ATE inhalation (vapours mg/l) 382.65

Specific target organ toxicity - repeated exposure

Target organs Central nervous system Kidneys Liver

Inhalation May cause drowsiness or dizziness.

Ingestion May cause discomfort if swallowed. Central nervous system depression.

Skin contact Causes skin irritation.

Eye contact Causes serious eye irritation.

Toxicological information on ingredients.

ACETONE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,800.0

Species Rat

ATE oral (mg/kg) 5,800.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 15,800.0

Species Rat

ATE dermal (mg/kg) 15,800.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 76.0

Species Rat

ATE inhalation (vapours mg/l) 76.0

HYDROCARBON PROPELLANT

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 21.0

Species Rat

SATIN BLACK PAINT

ATE inhalation (vapours
mg/l) 21.0

XYLENE

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 3,523.0

Species Rat

ATE oral (mg/kg) 3,523.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 1,700.0

Species Rat

Notes (dermal LD₅₀)

ATE dermal (mg/kg) 1,700.0

Acute toxicity - inhalation

Acute toxicity inhalation
(LC₅₀ gases ppmV) 5,000.0

Species Rat

ATE inhalation (gases
ppm) 5,000.0

Specific target organ toxicity - repeated exposure

Target organs Central nervous system Liver Kidneys

Inhalation Harmful by inhalation. Gas or vapour in high concentrations may irritate the respiratory system. Central nervous system depression.

Ingestion May cause irritation. Symptoms following overexposure may include the following: Stomach pain. Nausea, vomiting. Diarrhoea.

Skin contact Harmful in contact with skin. Irritating to skin.

Eye contact Vapour or spray may cause temporary (reversible) eye damage.

ETHYLBENZENE

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 5,460.0

Species Rat

ATE oral (mg/kg) 5,460.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 2,001.0

SATIN BLACK PAINT

Species Rabbit

ATE dermal (mg/kg) 2,001.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 12.0

Species Rat

ATE inhalation (vapours mg/l) 12.0

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 15,000.0

Species Rat

ATE oral (mg/kg) 15,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 3,400.0

Species Rat

ATE dermal (mg/kg) 3,400.0

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 1056 mg/kg, Oral, Rat

Target organs Central nervous system

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

METHANOL

Acute toxicity - oral

ATE oral (mg/kg) 300.0

Acute toxicity - dermal

ATE dermal (mg/kg) 300.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 10.0

Species Rat

ATE inhalation (vapours mg/l) 10.0

SECTION 12: Ecological Information

Ecotoxicity Toxic to aquatic life with long lasting effects.

SATIN BLACK PAINT

Ecological information on ingredients.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Ecotoxicity Toxic to aquatic life with long lasting effects.

12.1. Toxicity

Acute toxicity - fish Not determined.

Ecological information on ingredients.

ACETONE

Acute toxicity - fish LC₅₀, 96 hours: 5540 mg/l, Onchorhynchus mykiss (Rainbow trout)
LC₅₀, 96 hours: 11000 (Alburnus alburnus) mg/l, Fish

Acute toxicity - aquatic plants NOEC, 96 hours: 430 mg/l, Freshwater algae

Chronic toxicity - aquatic invertebrates NOEC, 8 day: 2212 mg/l, Daphnia magna

XYLENE

Acute toxicity - fish LC₅₀, 96 hours: 4.2 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: > 2.93 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 2.2 mg/l, Algae

TRIZINC BIS(ORTHOPHOSPHATE)

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Chronic aquatic toxicity

M factor (Chronic) 1

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Acute toxicity - fish LC₅₀, 96 hours: <30 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: <22 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 4.6-10 mg/l, Algae

Acute toxicity - microorganisms EC₅₀, 48 hours: 43.98 mg/l,

Chronic toxicity - aquatic invertebrates NOEC, 21 days: 0.097 mg/l, Daphnia magna

METHANOL

SATIN BLACK PAINT

Acute toxicity - fish LC₅₀, 96 hours: 10800 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 24500 mg/l,

Acute toxicity - aquatic plants IC₅₀, 72 hours: 8000 mg/l, Algae

12.2. Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

Ecological information on ingredients.

ACETONE

Persistence and degradability Readily biodegradable

XYLENE

Persistence and degradability The product is readily biodegradable.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Persistence and degradability The product is not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

Ecological information on ingredients.

ACETONE

Bioaccumulative potential The product is not bioaccumulating.

XYLENE

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Partition coefficient Pow: 3.2

12.4. Mobility in soil

Mobility The product is immiscible with water and will spread on the water surface. The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Ecological information on ingredients.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Surface tension 0.02 mN/m @ 25°C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

SATIN BLACK PAINT

XYLENE

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

SECTION 14: Transport information

Special Provisions note

14.1. UN number

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	AEROSOLS
Proper shipping name (IMDG)	AEROSOLS
Proper shipping name (ICAO)	AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class	2.1
ADR/RID classification code	5F
IMDG class	2.1
ICAO class/division	2.1

Transport labels



14.4. Packing group

Not applicable.

14.5. Environmental hazards

SATIN BLACK PAINT

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

Tunnel restriction code (D)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

Not applicable.

SECTION 15: Regulatory information

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

National regulations Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation Commission Regulation (EU) No 453/2010 of 20 May 2010.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstracts Service.
DNEL: Derived No Effect Level.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Effect Concentration.
vPvB: Very Persistent and Very Bioaccumulative.
NOEC: No Observed Effect Concentration.
NOAEL: No Observed Adverse Effect Level.

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 01/08/2016

Revision 2.1

Supersedes date 26/06/2015

SATIN BLACK PAINT

Risk phrases in full

R10 Flammable.
R11 Highly flammable.
R12 Extremely flammable.
R20 Harmful by inhalation.
R20/21 Harmful by inhalation and in contact with skin.
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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.

Hazard statements in full

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H229 Pressurised container: may burst if heated
H280 Contains gas under pressure; may explode if heated.
H301 Toxic if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H370 Causes damage to organs (Central nervous system).
H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure if inhaled.
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.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.