SAFETY DATA SHEET

Melamine Gloss Lacquer Aerosol

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name Melamine Gloss Lacquer Aerosol

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

Identified uses Air drying paint/lacquer product for interior use.

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier

Chestnut Products
PO BOX 260
Stowmarket
IP14 9BX
UK
+44 (0) 1473 890118 / (888) 631-8311
+ 44 (0) 1473 206522 / (888) 631-8311
mailroom@chestnutproducts.co.uk

1.4. Emergency telephone number

Emergency telephone +44 (0)1473 425878 (09:00-17:00 Mon- Fri)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Aerosol 1 - H222, H229

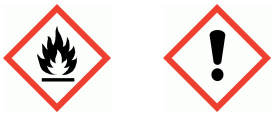
Health hazards Eye Irrit. 2 - H319 STOT SE 3 - H336

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) F+; R12. Xi; R36. R67

2.2. Label elements

Pictogram



Signal word Danger

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Hazard statements	H222 Extremely flammable aerosol. H229 Pressurised container: may burst if heated H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
Precautionary statements	P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P251 Do not pierce or burn, even after use. P280 Wear protective gloves/protective clothing/eye protection/face protection. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501 Dispose of contents/container in accordance with national regulations.
Supplemental label information	EUH066 Repeated exposure may cause skin dryness or cracking.
Contains	n-Butyl acetate
Supplementary precautionary statements	P211 Do not spray on an open flame or other ignition source. P261 Avoid breathing vapour/spray. P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P312 Call a POISON CENTER/doctor if you feel unwell. P337+P313 If eye irritation persists: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.

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 **25 - <50%**

CAS number: 67-64-1 EC number: 200-662-2

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	F; R11. Xi; R36. R66, R67

Petroleum gases, liquefied <0.1% 1,3 butadiene **25 - <50%**

CAS number: 68476-85-7 EC number: 270-704-2

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Gas 1 - H220 Press. Gas, Liquefied - H280	F+; R12

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n-Butyl acetate **5 - <10%**

CAS number: 123-86-4 EC number: 204-658-1

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226 STOT SE 3 - H336	R10, R66, R67

Ethanol **5 - <10%**

CAS number: 64-17-5 EC number: 200-578-6

Substance with National workplace exposure limits.

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225	F; R11

2-Methoxy-1-methylethyl acetate **2.5 - <5%**

CAS number: 108-65-6 EC number: 203-603-9

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226	R10

Isobutyl acetate **2.5 - <5%**

CAS number: 110-19-0 EC number: 203-745-1

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225	F; R11, R66

Methanol **2.5 - <5%**

CAS number: 67-56-1 EC number: 200-659-6

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370	F; R11. T; R23/24/25, R39/23/24/25

1-Methoxy-2-propanol **0.5 - <1%**

CAS number: 107-98-2 EC number: 203-539-1

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226 STOT SE 3 - H336	R10, R67

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Propan-1-ol	**0.5 - <1%**
CAS number: 71-23-8	EC number: 200-746-9

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Flam. Liq. 2 - H225 Eye Dam. 1 - H318 STOT SE 3 - H336	F; R11. Xi; R41. R67

Butan-1-ol	**0.5 - <1%**
CAS number: 71-36-3	EC number: 200-751-6

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335, H336	Xn; R22. Xi; R37/38, R41. R10, R67

Phosphoric acid	**0.025 - <0.25%**
CAS number: 7664-38-2	EC number: 231-633-2

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Skin Corr. 1B - H314 Eye Dam. 1 - H318	C; R34

Formaldehyde	**<0.025%**
CAS number: 50-00-0	EC number: 200-001-8

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Muta. 2 - H341 Carc. 1B - H350 STOT SE 3 - H335	T; R23/24/25. C; R34. Xi; R37. Carc. Cat. 2 R45. Muta. Cat. 3 R68. R43

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

General information Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.

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Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place.
Ingestion	Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Keep affected person under observation. Get medical attention.
Skin contact	Wash skin thoroughly with soap and water.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse with water. Do not rub eye. Get medical attention if any discomfort continues.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	A single exposure may cause the following adverse effects: Pain or irritation. Intoxication. Narcotic effect. Muscle weakness. Nausea, vomiting.
Ingestion	Due to the physical nature of this product, it is unlikely that ingestion will occur. May cause nausea, headache, dizziness and intoxication.
Skin contact	Repeated exposure may cause skin dryness or cracking.
Eye contact	Irritating to eyes.

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

Notes for the doctor	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
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	Containers can burst violently or explode when heated, due to excessive pressure build-up. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Forms explosive mixtures with air.
Hazardous combustion products	Hydrocarbons. Carbon monoxide (CO). Carbon dioxide (CO_2).

5.3. Advice for firefighters

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Protective actions during firefighting Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate area. Risk of explosion. No smoking, sparks, flames or other sources of ignition near spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate. Promptly remove any clothing that becomes contaminated.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Do not allow material to enter confined spaces, due to the risk of explosion. Flush contaminated area with plenty of water. For waste disposal, see Section 13. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Keep out of the reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid exposing aerosol containers to high temperatures or direct sunlight. Keep away from food, drink and animal feeding stuffs. Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with eyes. Avoid inhalation of vapours and spray/mists. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.

Advice on general occupational hygiene Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store locked up. Keep away from oxidising materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Protect containers from damage.

Storage class Chemical storage.

7.3. Specific end use(s)

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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

Petroleum gases, liquefied <0.1% 1,3 butadiene

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

n-Butyl acetate

Long-term exposure limit (8-hour TWA): WEL 150 ppm 724 mg/m³
Short-term exposure limit (15-minute): WEL 200 ppm 966 mg/m³

Ethanol

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

2-Methoxy-1-methylethyl acetate

Long-term exposure limit (8-hour TWA): WEL 50 ppm 274 mg/m³
Short-term exposure limit (15-minute): WEL 100 ppm 548 mg/m³
Sk

Isobutyl acetate

Long-term exposure limit (8-hour TWA): WEL 150 ppm 724 mg/m³
Short-term exposure limit (15-minute): WEL 187 ppm 903 mg/m³

Methanol

Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m³
Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m³
Sk

1-Methoxy-2-propanol

Long-term exposure limit (8-hour TWA): WEL 100 ppm 375 mg/m³
Short-term exposure limit (15-minute): WEL 150 ppm 560 mg/m³
Sk

Propan-1-ol

Long-term exposure limit (8-hour TWA): WEL 200 ppm 500 mg/m³
Short-term exposure limit (15-minute): WEL 250 ppm 625 mg/m³
Sk

Butan-1-ol

Ceiling exposure limit: 50 ppm 152 mg/m³
Sk

Phosphoric acid

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³
Short-term exposure limit (15-minute): WEL 2 mg/m³

Formaldehyde

Long-term exposure limit (8-hour TWA): WEL 2 ppm 2.5 mg/m³
Short-term exposure limit (15-minute): WEL 2 ppm 2.5 mg/m³

WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

Acetone (CAS: 67-64-1)

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DNEL

Workers - Inhalation; Short term local effects: 2420 mg/m³
Workers - Inhalation; Long term systemic effects: 1210 mg/m³
Workers - Dermal; Long term systemic effects: 186 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 200 mg/m³
Consumer - Dermal; Long term systemic effects: 62 mg/kg/day
Consumer - Oral; Long term systemic effects: 62 mg/kg/day

PNEC

- Fresh water; 10.6 mg/l
- Marine water; 1.06 mg/l
- Intermittent release; 21 mg/l
- STP; 100 mg/l
- Sediment (Freshwater); 30.4 mg/kg
- Sediment (Marinewater); 3.04 mg/kg
- Soil; 29.5 mg/kg

n-Butyl acetate (CAS: 123-86-4)

DNEL

Consumer - Inhalation; Short term local effects: 859.7 mg/m³
Consumer - Inhalation; Short term systemic effects: 859.7 mg/m³
Industry - Inhalation; Short term local effects: 960 mg/m³
Industry - Inhalation; Short term systemic effects: 960 mg/m³
Consumer - Inhalation; Long term local effects: 102.34 mg/m³
Consumer - Inhalation; Long term systemic effects: 102.34 mg/m³
Industry - Inhalation; Long term local effects: 480 mg/m³
Industry - Inhalation; Long term systemic effects: 480 mg/m³

PNEC

- Fresh water; 0.18 mg/l
- Sediment (Freshwater); 0.981 mg/kg
- Marine water; 0.018 mg/l
- Sediment (Marinewater); 0.981 mg/kg
- STP; 35.6 mg/l
- Soil; 0.0903 mg/kg

2-Methoxy-1-methylethyl acetate (CAS: 108-65-6)

DNEL

Consumer - Oral; Long term systemic effects: 1.67 mg/kg/day
Consumer - Dermal; Long term systemic effects: 54.8 mg/kg/day
Industry - Dermal; Long term systemic effects: 153.5 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 33 mg/m³
Industry - Inhalation; Long term systemic effects: 275 mg/m³

PNEC

- Fresh water; 0.635 mg/l
- Sediment (Freshwater); 3.29 mg/kg
- Sediment (Marinewater); 0.329 mg/kg
- Soil; 0.29 mg/kg

1-Methoxy-2-propanol (CAS: 107-98-2)

DNEL

Industry - Inhalation; Short term local effects: 553.5 mg/m³
Industry - Dermal; Long term systemic effects: 50.6 mg/kg/day
Industry - Inhalation; Long term systemic effects: 369 mg/m³
Consumer - Dermal; Long term systemic effects: 18.1 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 43.9 mg/m³
Consumer - Oral; Long term systemic effects: 3.3 mg/kg/day

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PNEC	- Fresh water; 10 mg/l - Marine water; 1 mg/l - Sediment (Freshwater); 41.6 mg/kg - Soil; 2.47 mg/kg - Intermittent release; 100 mg/l - Sediment (Marinewater); 4.17 mg/kg

8.2. Exposure controls

Protective equipment

Appropriate engineering controls	Provide adequate ventilation.
Eye/face protection	Avoid contact with eyes. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Wear chemical splash goggles.
Hand protection	For users with sensitive skin, it is recommended that suitable protective 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.
Other skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Hygiene measures	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.
Respiratory protection	Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.
Environmental exposure controls	Keep container tightly sealed when not in use. Avoid release to the environment.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Clear.
Odour	Solvent.
Odour threshold	Not available.
pH	Not available.
Melting point	Not available.
Initial boiling point and range	-41°C
Flash point	-40°C CC (Closed cup).
Evaporation rate	Not available.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.5% Upper flammable/explosive limit: 44%
Vapour pressure	Not available.

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Vapour density	Not available.
Relative density	0.725
Solubility(ies)	Insoluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	270°C
Decomposition Temperature	Not available.
Viscosity	Not applicable.
Explosive properties	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information	No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Forms explosive mixtures with air.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions. Highly volatile.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	The following materials may react strongly with the product: Oxidising agents.

10.4. Conditions to avoid

Conditions to avoid	Avoid exposing aerosol containers to high temperatures or direct sunlight. Pressurised container: may burst if heated

10.5. Incompatible materials

Materials to avoid	Avoid contact with the following materials: Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD_{50})	Based on available data the classification criteria are not met.
ATE oral (mg/kg)	3,703.7

Acute toxicity - dermal

Notes (dermal LD_{50})	Based on available data the classification criteria are not met.
ATE dermal (mg/kg)	11,111.11

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Based on available data the classification criteria are not met.

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ATE inhalation (vapours mg/l)	111.11

Skin corrosion/irritation

Animal data	Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation

Serious eye damage/irritation	Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation	Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation	Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro	Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	Contains a substance/a group of substances which may cause cancer. IARC Group 1 Carcinogenic to humans.

Reproductive toxicity

Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure	STOT SE 3 - H336 May cause drowsiness or dizziness. STOT SE 1 - H370 Causes damage to organs .
Target organs	Central nervous system

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard	Based on available data the classification criteria are not met.

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	A single exposure may cause the following adverse effects: Pain or irritation. Intoxication. Narcotic effect. Muscle weakness. Nausea, vomiting.
Ingestion	Due to the physical nature of this product, it is unlikely that ingestion will occur. May cause nausea, headache, dizziness and intoxication.
Skin contact	Repeated exposure may cause skin dryness or cracking.
Eye contact	Irritating to eyes.
Route of entry	Ingestion Inhalation Skin and/or eye contact
Target organs	Central nervous system

Toxicological information on ingredients.

Acetone

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Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	5,800.0
Species	Rat
Notes (oral LD_{50})	REACH dossier information. Based on available data the classification criteria are not met.
ATE oral (mg/kg)	5,800.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	7,427.0
Species	Rabbit
Notes (dermal LD_{50})	REACH dossier information. Based on available data the classification criteria are not met.
ATE dermal (mg/kg)	7,427.0
Acute toxicity - inhalation	
Acute toxicity inhalation (LC_{50} gases ppmV)	54,000.0
Species	Rat
Acute toxicity inhalation (LC_{50} vapours mg/l)	128.0
Species	Rat
Notes (inhalation LC_{50})	REACH dossier information. Based on available data the classification criteria are not met.
ATE inhalation (gases ppm)	54,000.0
ATE inhalation (vapours mg/l)	128.0
Skin corrosion/irritation	
Human skin model test	Repeated exposure may cause skin dryness or cracking.
Skin sensitisation	
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information. Based on available data the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity - in vitro	Gene mutation: Negative. REACH dossier information. This substance has no evidence of mutagenic properties.
Carcinogenicity	
Carcinogenicity	NOEL 0.1 ml, Dermal, Mouse REACH dossier information. Based on available data the classification criteria are not met.
Reproductive toxicity	

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Reproductive toxicity - development	Maternal toxicity: - NOAEC: 2200 ppm, Inhalation, Rat No evidence of reproductive toxicity in animal studies.

Specific target organ toxicity - single exposure

STOT - single exposure	STOT SE 3 - H336 Vapours may cause drowsiness and dizziness.
Target organs	Central nervous system

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	NOAEL 20000 ppm, Oral, Mouse REACH dossier information. Not classified as a specific target organ toxicant after repeated exposure.

n-Butyl acetate

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	10,760.0
Species	Rat
Notes (oral LD_{50})	REACH dossier information. Based on available data the classification criteria are not met.
ATE oral (mg/kg)	10,760.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	14,112.0
Species	Rabbit
Notes (dermal LD_{50})	REACH dossier information. Based on available data the classification criteria are not met.
ATE dermal (mg/kg)	14,112.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)	21.0
Species	Rat
Notes (inhalation LC_{50})	REACH dossier information. Based on available data the classification criteria are not met.
ATE inhalation (vapours mg/l)	21.0

Skin corrosion/irritation

Animal data	Dose: 0.5 mL, 4 hours, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). REACH dossier information. Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation	Buehler test - Guinea pig: Not sensitising. REACH dossier information. Based on available data the classification criteria are not met.

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Germ cell mutagenicity

Genotoxicity - in vitro Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vivo Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Two-generation study - NOAEC 2000 ppm, Inhalation, Rat F1 REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity - development Developmental toxicity: - LOAEC: 1500 ppm, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure STOT SE 3 - H336 May cause drowsiness or dizziness.

Target organs Central nervous system

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEC 500 ppm, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.

SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Toxicity Based on available data the classification criteria are not met.

Ecological information on ingredients.

Acetone

Toxicity Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.

Acute toxicity - fish LC_{50}, 96 hours: 6210 mg/l, Pimephales promelas (Fat-head Minnow)
REACH dossier information.

Acute toxicity - aquatic invertebrates LC_{50}, 48 hours: 8800 mg/l, Daphnia pulex
REACH dossier information.

Acute toxicity - aquatic plants NOEC, 8 days: 530 mg/l, Microcystis aeruginosa
REACH dossier information.

Acute toxicity - microorganisms EC_{12}, 30 minutes: 1000 mg/l, Activated sludge
REACH dossier information.

Chronic toxicity - aquatic invertebrates NOEC, 28 days: 1106 - 2212 mg/l, Daphnia magna
LOEC, 28 days: 2212 mg/l, Daphnia magna
REACH dossier information.

n-Butyl acetate

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Toxicity	Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.
Acute toxicity - fish	LC_{50}, 96 hours: 18 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 44 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hours: 674.7 mg/l, Scenedesmus subspicatus
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 23 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known.

Ecological information on ingredients.

Acetone

Persistence and degradability	The product is readily biodegradable.
Phototransformation	Air - DT_{50} : 10 days REACH dossier information.
Biodegradation	Water - Degradation (90.9%): 28 days REACH dossier information.

n-Butyl acetate

Persistence and degradability	The product is readily biodegradable.
Phototransformation	Air - DT_{50} : 3.3 days
Biodegradation	Water - Degradation 83%: 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not available.

Ecological information on ingredients.

Acetone

Partition coefficient	log Pow: -0.24 REACH dossier information.

n-Butyl acetate

Bioaccumulative potential	BCF: 15.3, Estimated value.
Partition coefficient	log Pow: 2.3

12.4. Mobility in soil

Melamine Gloss Lacquer Aerosol

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Ecological information on ingredients.

Acetone

Mobility	The product is soluble in water.
Henry's law constant	2.929 Pa m³/mol @ 25°C REACH dossier information.
Surface tension	23700 mN/m @ 20°C REACH dossier information.

n-Butyl acetate

Mobility	Mobile.
Adsorption/desorption coefficient	Soil - log Koc: 1.268-1.844 @ 25°C
Henry's law constant	28.5 Pa m³/mol @ 25°C
Surface tension	61.3 mN/m @ 20°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.

Acetone

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

n-Butyl acetate

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 None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. When handling waste, the safety precautions applying to handling of the product should be considered. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods Empty containers must not be punctured or incinerated because of the risk of an explosion. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

Melamine Gloss Lacquer Aerosol

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

14.2. UN proper shipping name

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

14.3. Transport hazard class(es)

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

Transport labels

14.4. Packing group

ADR/RID packing group	None
IMDG packing group	None
ADN packing group	None
ICAO packing group	None

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-D, S-U
ADR transport category	2
Tunnel restriction code	(D)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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

Melamine Gloss Lacquer Aerosol

SECTION 15: Regulatory information

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

National regulations

Health and Safety at Work etc. Act 1974 (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
EH40/2005 Workplace exposure limits.
The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
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).
Dangerous Preparations Directive 1999/45/EC.
Dangerous Substances Directive 67/548/EEC.
Council Directive of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

SECTION 16: Other information

Classification procedures according to Regulation (EC) 1272/2008

STOT SE 3 - H336: Eye Irrit. 2 - H319: : Calculation method. Aerosol 1 - H222, H229: : Expert judgement.

Training advice

Read and follow manufacturer's recommendations.

Revision comments

Classification according to EC 1272/2008 (CLP).

Revision date

30/05/2014

Revision

2

Supersedes date

24/11/2009

SDS number

1635

Melamine Gloss Lacquer Aerosol

Risk phrases in full

R10 Flammable.
R11 Highly flammable.
R12 Extremely flammable.
R22 Harmful if swallowed.
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R34 Causes burns.
R36 Irritating to eyes.
R37 Irritating to respiratory system.
R37/38 Irritating to respiratory system and skin.
R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R41 Risk of serious damage to eyes.
R43 May cause sensitisation by skin contact.
R45 May cause cancer.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
R68 Possible risk of irreversible effects.

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.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H341 Suspected of causing genetic defects.
H350 May cause cancer.
H370 Causes damage to organs .