



Printing date 06.02.2020 Revision: 06.02.2020

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

- · Product identifier
- · Trade name: Heat Resistant Matt Black Aerosol
- · Article number (product ID.): WCHR400MB
- · Relevant identified uses of the substance or mixture and uses advised against
- · Application of the substance / the mixture: painting
- · Uses advised against No further relevant information available.
- · Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

Wolfchester Australia

4/122 Beresford Road

Lilydale, VIC, 3140

· Further information obtainable from: Product safety department

Tel.: +61 3 9737 2800 E-mail:sales@wolfchester.com.au

· Emergency telephone number: Tel.:131160 Poisons Information Centre

2 Hazards identification

· Classification of the substance or mixture



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



health hazard

STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.



	•		
	Eye Irrit. 2A	H319	Causes serious eye irritation.
	STOT SE 3	H336	May cause drowsiness or dizziness.

	Acute Tox. 5	H333	May be harmful if inhaled.
	Skin Corr. 3	H316	Causes mild skin irritation.
	Aquatic Acute 2	H401	Toxic to aquatic life.
	Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.
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- · Label elements
- · GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

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Trade name: Heat Resistant Matt Black Aerosol

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· Hazard pictograms







GHS07

· Signal word Danger

· Hazard-determining components of labelling:

1-methoxy-2-propanol

hydrocarbons, C9-C10, n-Alkanes, Isoalkanes, cyclics, 2-25% Aromatics

hydrocarbons, C9, Aromatics

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

· Hazard statements

Extremely flammable aerosol. Pressurised container: May burst if heated.

May be harmful if inhaled.

Causes mild skin irritation.

Causes serious eye irritation.

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.

Toxic to aquatic life.

Harmful to aquatic life with long lasting effects.

· Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

Do not breathe vapours/spray.

Use only outdoors or in a well-ventilated area.

Avoid release to the environment.

IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

Do NOT induce vomiting.

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

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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

- · Additional information: Without adequate ventilation, explosive atmosphere/gas mix may be created.
- · Other hazards
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.

3 Composition/information on ingredients

- · Chemical characterisation: Mixtures
- **Description:** Mixture of substances listed below with nonhazardous additions.

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Dangerous	s components:	
	acetone The Flam. Liq. 2, H225; The Eye Irrit. 2, H319; STOT SE 3, H336	10-<2.
74-98-6	propane Flam. Gas 1, H220; Press. Gas C, H280	10-<2.
106-97-8	butane (containing $\leq 0,1$ % butadiene (203-450-8)) ① Flam. Gas 1, H220; ② Press. Gas C, H280	10-<2.
	hydrocarbons, C9-C10, n-Alkanes, Isoalkanes, cyclics, 2-25% Aromatics Flam. Liq. 3, H226; STOT RE 1, H372; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; STOT SE 3, H336	5-<10
123-86-4	n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336; Acute Tox. 5, H333	5-<10
75-28-5	isobutane (containing $\leq 0,1$ % butadiene (203-450-8)) \Leftrightarrow Flam. Gas 1, H220; \Leftrightarrow Press. Gas C, H280	5-<10
108-65-6	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226; Acute Tox. 5, H333	5-<10
	hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) Flam. Liq. 3, H226; STOT RE 1, H372; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	2.5-<5
107-98-2	1-methoxy-2-propanol ♠ Flam. Liq. 3, H226; ♠ Acute Tox. 3, H331; ♠ STOT SE 3, H336	2.5-<5
	hydrocarbons, C9, Aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Acute Tox. 4, H332; STOT SE 3, H335-H336; Acute Tox. 5, H303; Acute Tox. 5, H313; Aquatic Acute 2, H401	2.5-<5
1330-20-7	xylene, mixture of isomers This is the state of the stat	1-<2.5
78-83-1	i-butanol ♠ Flam. Liq. 3, H226; ♠ Eye Dam. 1, H318; ♠ Skin Irrit. 2, H315; STOT SE 3, H335-H336; Acute Tox. 5, H303; Acute Tox. 5, H313	1-<2.5
96-29-7	2-butanone oxime © Carc. 2, H351; © Eye Dam. 1, H318; © Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Sens. 1, H317; Flam. Liq. 4, H227; Acute Tox. 5, H303	<1%

4 First aid measures

- · Description of first aid measures
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Generally the product does not irritate the skin.
- · After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- · After swallowing: If symptoms persist consult doctor.
- · Information for doctor:
- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed No further relevant information available.

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5 Firefighting measures

- · Extinguishing media -
- · Suitable extinguishing agents: Cool container whit water
- · Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

· Environmental precautions:

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.

Do not allow to enter sewers/ surface or ground water.

· Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· 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

- · Handling:
- · Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

· Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Keep respiratory protective device available.

Pressurised 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.

- · Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurised containers.

- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.
- · Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

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

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· Control paramet	ters
· Ingredients with	limit values that require monitoring at the workplace:
67-64-1 acetone	
WES (Australia)	Short-term value: 2375 mg/m³, 1000 ppm
	Long-term value: 1185 mg/m³, 500 ppm
74-98-6 propane	
WES (Australia)	Asphyxiant
106-97-8 butane	(containing ≤0,1 % butadiene (203-450-8))
WES (Australia)	Long-term value: 1900 mg/m³, 800 ppm
123-86-4 n-butyl	l acetate
WES (Australia)	Short-term value: 950 mg/m³, 200 ppm
	Long-term value: 713 mg/m³, 150 ppm
108-65-6 2-meth	oxy-1-methylethyl acetate
WES (Australia)	Short-term value: 548 mg/m³, 100 ppm
	Long-term value: 274 mg/m³, 50 ppm
	Sk
107-98-2 1-meth	oxy-2-propanol
WES (Australia)	Short-term value: 553 mg/m³, 150 ppm
	Long-term value: 369 mg/m³, 100 ppm
1330-20-7 xylen	e, mixture of isomers
WES (Australia)	Short-term value: 655 mg/m³, 150 ppm
	Long-term value: 350 mg/m³, 80 ppm
78-83-1 i-butano	ol en
WES (Australia)	Long-term value: 152 mg/m³, 50 ppm

- · Additional information: The lists valid during the making were used as basis.
- · Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· Respiratory protection:

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



When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Half mask with combination filter, class A1P2 minimum, or breathing mask with outer air supply.

· Protection of hands:

Protective gloves



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

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

· Material of gloves Nitrile rubber, NBR

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· Penetration time of glove material

Gloves must be changed after every contamination.

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

· For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

butyl rubber, 0,7mm

· Eye protection:

Safety glasses



Tightly sealed goggles

9 Physical and chemical properties

· Solubility in / Miscibility with

· Partition coefficient: n-octanol/water:

Thysical and chemical propert	
· Information on basic physical and c	hemical properties
· General Information	
· Appearance: Form:	Aerosol
rorm: Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling ra	nge: -44.5 °C
· Flash point:	<0 °C
•	Without propellant gas.
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	315 °C
· Decomposition temperature:	Not determined.
\cdot Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive as vapour mixtures are possible. Not determined.
· Explosion limits:	
Lower:	1.5 Vol %
Upper:	13 Vol %
· Vapour pressure at 20 °C:	3,600 hPa
· Density at 20 °C:	$0.67 g/cm^3$
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not applicable.

Not miscible or difficult to mix.

Not determined.

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· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
· Solvent content:		
Organic solvents:	89.2 %	
	With propellant gas. Content given by weight.	
VOC(EU)	89.24 %	
Solids content:	10.7 %	
· Other information	No further relevant information available.	

10 Stability and reactivity

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

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity

· LD/LC50 values relevant for classification:			
ATE (Acute Toxicity Estimates)			
Oral	LD50	57,340 mg/kg (rat)	
Dermal	LD50	>85,038 mg/kg (rabbit)	
Inhalative	LC50/4 h	>62.7 mg/l (rat)	

107-98-2		-2-propanol
Oral	LD50	5,660 mg/kg (rat)
Darmal	LD50	13 000 ma/ka (rahk

Inhalative LC50/4 h 6 mg/l (rat)

- Primary irritant effect:
- · Skin corrosion/irritation No irritant effect.
- · Serious eye damage/irritation Irritating effect.
- · Respiratory or skin sensitisation No sensitising effects known.
- · Additional toxicological information:

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

12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.

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- · Behaviour in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Ecotoxical effects:
- · Remark: Harmful to fish
- · Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Ikke relevant.
- · Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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

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· UN-Numbei		UN-Number
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· ADR, IMDG, IATA

· UN proper shipping name

· ADR · IMDG

1950 AEROSOLS AEROSOLS

UN1950

 \cdot IATA

AEROSOLS, flammable

- · Transport hazard class(es)
- $\cdot ADR$



· Class

2 5F Gases.

· Label

2.1

· IMDG, IATA



· Class

2.1

· Label

2.1

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	(Contd. of page
Packing group ADR, IMDG, IATA	Void
	not classified
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Warning: Gases.
Danger code (Kemler):	-
3 , , ,	not classified
EMS Number:	F- D , S - U
Stowage Code	SW1 Protected from sources of heat.
	SW22 For AEROSOLS with a maximum capacity of
	litre: Category A. For AEROSOLS with a capaci above 1 litre: Category B. For WASTE AEROSOL Category C, Clear of living quarters.
Segregation Code	SG69 For AEROSOLS with a maximum capacity of litre:
	Segregation as for class 9. Stow "separated from" cla
	1 except for division 1.4.
	For AEROSOLS with a capacity above 1 litre:
	Segregation as for the appropriate subdivision of cla
	2.
	For WASTE AEROSOLS:
	Segregation as for the appropriate subdivision of cla
	2.
Transport in bulk according to Annex I	I of Marpol
and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	IL
Excepted quantities (EQ)	Code: E0
· · · · · · · · · · · · · · · · · · ·	Not permitted as Excepted Quantity
Transport category	2
Tunnel restriction code	D
IMDG	17
	H_{c}
Limited quantities (LQ)	12
	1L Code: E0 Not permitted as Excepted Quantity

15 Regulatory information

- \cdot Safety, health and environmental regulations/legislation specific for the substance or mixture VOC: $<\!840g/l$
- · GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

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· Hazard pictograms







GHS02

502 GHS07

· Signal word Danger

· Hazard-determining components of labelling:

1-methoxy-2-propanol

hydrocarbons, C9-C10, n-Alkanes, Isoalkanes, cyclics, 2-25% Aromatics

hydrocarbons, C9, Aromatics

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

· Hazard statements

Extremely flammable aerosol. Pressurised container: May burst if heated.

May be harmful if inhaled.

Causes mild skin irritation.

Causes serious eye irritation.

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.

Toxic to aquatic life.

Harmful to aquatic life with long lasting effects.

· Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

Do not breathe vapours/spray.

Use only outdoors or in a well-ventilated area.

Avoid release to the environment.

IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

Do NOT induce vomiting.

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

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category P3a FLAMMABLE AEROSOLS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · National regulations:
- · Technical instructions (air):

Class	Share in %
I	<1
NK	50-100

· Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

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· 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.

- · Department issuing SDS: Product safety department
- · Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1: Flammable gases - Category 1

Aerosol 1: Aerosols - Category 1

Press. Gas C: Gases under pressure - Compressed gas

Flam. Liq. 2: Flammable liquids - Category 2

Flam. Liq. 3: Flammable liquids - Category 3

Flam. Liq. 4: Flammable liquids - Category 4

Acute Tox. 3: Acute toxicity - inhalation - Category 3

Acute Tox. 4: Acute toxicity - inhalation – Category 4

Acute Tox. 5: Acute toxicity - inhalation - Category 5

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Skin Corr. 3: Skin corrosion/irritation – Category 3

Eye Dam. 1: Serious eye damage/eye irritation - Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Skin Sens. 1: Skin sensitisation – Category 1

Carc. 2: Carcinogenicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard - Category 1

 $Aquatic\ Acute\ 1:\ Hazardous\ to\ the\ aquatic\ environment-acute\ aquatic\ hazard-Category\ 1$

Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard - Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

* Data compared to the previous version altered.

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