

Safety Data Sheet

AQUAMAC 100

Revision Date: 01/21/2023



1. Identification

1.1. Product identifier

Product Identity AQUAMAC 100
Alternate Names Water Reducible Alkyd Enamel

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

Intended use See Technical Data Sheet.
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Mac Coatings
1106 WALKER ROAD
WINDSOR, ONTARIO
N8Y 2N7
Customer Service: Mac Coatings (519)-252-7275

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Skin Irrit. 2;H315	Causes skin irritation.
Skin Sens. 1; H317	May cause an allergic skin reaction.
Eye Irrit. 2;H319	Causes serious eye irritation.
STOT SE 3;H336	May cause drowsiness or dizziness.
Repr. 2; H361	Suspected of damaging fertility or the unborn child.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Warning

H315 Causes skin irritation.

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H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

H361 Suspected of damaging fertility or the unborn child.

[Prevention]:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P304+312 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P308 + 313 If exposed or concerned: Get medical advice/attention.

P312 Call a POISON CENTER/DOCTOR if you feel unwell.

P333+313 If skin irritation or rash occurs: Get medical advice / attention.

P337+313 If eye irritation persists: Get medical advice / attention.

P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P362+P364 Take off contaminated clothing and wash before reuse.

[Storage]:

P403+233 Store in a well ventilated place. Keep container tightly closed.

P405 Store locked up.

[Disposal]:

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

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant Federal Hazardous Substances regulations.

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Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Alkyd Resin CAS Number: Proprietary	30-40	Not Classified	
Ethylene glycol monobutyl ether CAS Number: 0000111-76-2	5-10	Acute Tox. 4;H332 Acute Tox. 4;H312 Acute Tox. 4;H302 Eye Irrit. 2;H319 Skin Irrit. 2;H315	[1][2]
N-Butanol CAS Number: 0000071-36-3	1-5	Flame Liq.3;H226 Skin Irrit. 2; H315 Eye Irrit. 1; H318 STOT SE 3; H336	[1][2]
Ammonia CAS Number: 0007664-41-7	<1.0	Flam. Gas 2;H221 Press. Gas;H280 Acute Tox. 3;H331 Skin Corr. 1B;H314 Aquatic Acute 1;H400	[1][2]
Cobalt Neodecanoate CAS Number: 0027253-31-2	<1.0	Flam. Liq. 3;H226 Skin Irrit. 2; H315 Eye Irrit. 2;H319 Skin Sens. 1;H317 Acute Tox. 4;H332 Acute Tox. 4;H312 Repr. 2;H361	[1][2]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin

Remove the paint residue using industrial grade hand cleaner. Wash the skin with plenty of warm water and mild non-abrasive soap for at least 15 minutes. Do not use cold water. Remove contaminated clothes, wash clothing before reuse. If the irritation persists, repeat the washing procedure. Seek medical attention.

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Ingestion Do not induce vomiting! If conscious, give large quantities of water. Keep the victim warm and quiet. Seek immediate medical attention. Should vomiting occur, lean the victim over to reduce the risk of aspiration.

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

Overview Effects of overexposure:
Acute: Eyes-may cause severe irritation, redness, tearing, blurred vision.
Skin/skin absorption- Prolonged or repeated contact can cause moderate irritation. Defatting, dermatitis.
Breathing-excessive inhalation of vapors can cause nasal and Respiratory irritation and central nervous system effects including Dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.
Swallowing-can cause gastrointestinal, irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis, which can be fatal.

Inhalation May cause drowsiness or dizziness. May cause respiratory irritation.

Eyes Causes serious eye irritation.

Skin Causes skin irritation.

5. Fire-fighting measures

5.1. Extinguishing media

Dry chemical, Foam, Water fog, Carbon Dioxide.
Do not use: water jet,

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Oxides of carbon.

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus and complete protective clothing (overalls, boots, goggles, etc.) and safety equipment. Evacuate area and fight fire from a safe distance.

Material will not burn until all water has been evaporated off. May boil vigorously or spatter if temperature exceeds boiling point. Dry polymer films are capable of burning.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon and other toxic gases.

EXPLOSION DATA:

- SENSITIVITY TO MECHANICAL IMPACT: Not Sensitive

- SENSITIVITY TO STATIC CHARGE: Sensitive

ERG Guide No. ---

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Avoid prolonged breathing of vapor when performing any clean up of spills. Ventilate the area. Absorb the spill by using an inert material (sand, earth, vermiculate, etc.). Transfer the absorbed material into a waste container. Use water to clean up affected area.

Prevent the product or any wash waters from entering the water systems or sewers. Wear a NIOSH/OSHA approved organic vapor canister respirator. Wear protective clothing such as safety eyewear, overalls, impervious boots, and chemical resistant gloves.

7. Handling and storage

7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Avoid contact with: Caustics, Acids, Oxidizers.

Store in a cool, dry, well-ventilated area. Keep away from direct sunlight, high heat, incompatible materials and any sources of ignition.

Storage above 55°C or 122°F may effect product quality.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

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Exposure

CAS No.	Ingredient	Source	Value
Proprietary	Alkyd Resin	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0000111-76-2	Ethylene glycol monobutyl ether	OSHA	TWA 50 ppm (240 mg/m ³) [skin]
		ACGIH	TWA: 20 ppm
		NIOSH	TWA 5 ppm (24 mg/m ³) [skin]
		Supplier	No Established Limit
0000071-36-3	N-Butanol	OSHA	No Established Limit
		ACGIH	TWA: 20 ppm
		NIOSH	No Established Limit
		Supplier	No Established Limit
0007664-41-7	Ammonia	OSHA	TWA 50 ppm (35 mg/m ³)
		ACGIH	TWA: 25 ppm STEL: 35 ppm
		NIOSH	TWA 25 ppm (18 mg/m ³) ST 35 ppm (27 mg/m ³)
		Supplier	No Established Limit
0027253-31-2	Cobalt Neodecanoate	OSHA	PEL: 0.1 mg/m ³
		ACGIH	TWA: 0.02 mg/m ³
		NIOSH	No Established Limit
		Supplier	No Established Limit

8.2. Exposure controls

Respiratory

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes

Chemical splash goggles are advised. (Consult your safety equipment supplier). Contact lenses should not be worn.

Skin

Wear resistant gloves such as: polyvinyl alcohol, viton. Other protective equipment: To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices

Avoid repeated or prolonged contact with the skin. If rags are used with this product as a cleaning purpose, discard them into a water filled container after use. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

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See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	Liquid
Odor	Ether like
Odor threshold	Not determined
pH	Not Measured
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	Not Measured
Flash Point	Not Measured
Evaporation rate (Ether = 1)	(X) Slower Than N-BUTYL ACETATE
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: NA Upper Explosive Limit: NA
Vapor pressure (Pa)	Not Measured
Vapor Density	(X)Heavier Than Air ()Lighter than Air
Specific Gravity	1.182
Solubility in Water	Soluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Applicable
Decomposition temperature	Not Measured
VOC Content	340g/L
Density (lbs/USgal)	9.84

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

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No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Avoid contact with strong oxidizing agents, Strong alkalis, and strong acids.

10.6. Hazardous decomposition products

Oxides of carbon.

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Alkyd Resin- (Proprietary)	No data available	No data available	No data available	No data available	No data available
Ethylene glycol monobutyl ether - (111-76-2)	1,414.00, Guinea Pig - Category: 4	1,200.00, Guinea Pig - Category: 4	173.00, Guinea Pig - Category: NA	No data available	No data available
N-Butanol – (0000071-36-3)	>5000, Rat - Category: NA	No data available	No data available	No data available	No data available
Ammonia - (7664-41-7)	350.00, Rat - Category: 4	4,840.00, Rat - Category: 5	No data available	2,000.00, Rat - Category: NA	2,000.00, Rat - Category: NA
Cobalt Neodentate - (27253-31-2)	No data available	No data available	No data available	No data available	No data available

Carcinogen Data

CAS No.	Ingredient	Source	Value
Proprietary	Alkyd Resin	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000111-76-2	Ethylene glycol monobutyl ether	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0000071-36-3	N-Butanol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0007664-41-7	Ammonia	OSHA	Select Carcinogen: No

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		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0027253-31-2	Cobalt Neodecanoate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	1	May cause and allergic skin reaction.
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	2	Suspected of damaging fertility or the unborn child.
STOT-single exposure	3	May cause drowsiness or dizziness.
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Alkyd Resin - (Proprietary)	Not Available	Not Available	Not Available
Ethylene glycol monobutyl ether - (111-76-2)	220.00, Fish (Piscis)	1,000.00, Daphnia magna	Not Available
N-Butanol - (0000071-36-3)	1840, Primphales	1983, Daphnia magna	Not Available
Ammonia - (7664-41-7)	0.083, Oncorhynchus gorboscha	0.53, Daphnia magna	Not Available

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Cobalt Neodecanoate - (27253-31-2)	Not Available	Not Available	Not Available
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12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Regulated	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Regulated	IMDG: Not Regulated Sub Class: Not Applicable	Air Class: Not Regulated
14.4. Packing group	Not Regulated	Not Regulated	Not Regulated
14.5. Environmental hazards			
IMDG	Marine Pollutant: No		

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14.6. Special precautions for user

No further information

15. Regulatory information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS 1988 Classification	D2B
US EPA Tier II Hazards	Fire: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs (lbs):

Ammonia

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

Ammonia

Ethylene glycol monobutyl ether

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

Ammonia

Ethylene glycol monobutyl ether

Pennsylvania RTK Substances (>1%):

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Ammonia

Ethylene glycol monobutyl ether

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H361 Suspected of damaging fertility or the unborn child.

H336 May cause drowsiness and dizziness.

The information contained herein is furnished without warranty of any kind. The above information is believed to be correct but does not purport to be all inclusive and should be used only as a guide. Users should make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.

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