AiA

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 05/30/2017 Revision date: 12/20/2017 Version: 1.1

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture

Product name : AiA

1.2. Recommended use and restrictions on use

Coating remover

1.3. Supplier

Protocol Environmental Solutions Inc.
105b – 81 Golden Drive
Coquitlam, BC V3K 6R2 - Canada
T 604-464-0660

1.4. Emergency telephone number

Emergency number : CANUTEC (613) 996-6666

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS-CA)

Ox. Liq. 3	H272
Eye Dam. 1	H318
Skin Sens. 1B	H317
STOT SE 3	H336
STOT SE 3	H335

2.2. GHS Label elements, including precautionary statements

GHS-CA labelling

Hazard pictograms (GHS-CA) :



Signal word (GHS-CA) : Danger

Hazard statements (GHS-CA) :
H272 - May intensify fire; oxidiser
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness

Precautionary statements (GHS-CA) :
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P220 - Keep away from clothing and other combustible materials
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
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/protective clothing/eye protection/face protection
P302+P352 - IF ON SKIN: Wash with plenty of water
P362+P364 - Take off contaminated clothing and wash it before reuse
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P312 - Call a POISON CENTER or doctor if you feel unwell
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor
P403+P233 - Store in a well-ventilated place. Keep container tightly closed
P405 - Store locked up
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-CA)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Benzyl alcohol	(CAS-No.) 100-51-6	30 – 60
Hydrogen peroxide	(CAS-No.) 7722-84-1	10 – 30
Dipentene	(CAS-No.) 138-86-3	1 – 5

***Chemical name, CAS number and/or exact concentration have been withheld as a trade secret**

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact : IF ON SKIN: Wash with plenty of Water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

First-aid measures after ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : May cause respiratory irritation. May cause drowsiness or dizziness. May cause central nervous system effects. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects.

Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.

Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water fog. Foam. Dry chemical powder. Carbon dioxide.

5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

5.3. Specific hazards arising from the hazardous product

Fire hazard : May intensify fire; oxidiser. Products of combustion may include, and are not limited to: oxides of carbon. Oxygen.

Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Fight fire remotely due to the risk of explosion. Eliminate all ignition sources if safe to do so. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Use water spray to keep fire-exposed containers cool.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. No open flames. No smoking.

6.2. Methods and materials for containment and cleaning up

For containment : Stop leak if safe to do so. Dike and contain spill. Do not absorb in sawdust, paper, cloth or other combustible absorbents. Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.

Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Keep away from heat, sparks, and flame. Take any precaution to avoid mixing with combustibles. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use only outdoors or in a well-ventilated area.
Hygiene measures	:	Wash contaminated clothing before reuse. Always wash hands after handling the product.
Additional hazards when processed	:	Hazardous waste due to potential risk of explosion.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	:	Keep locked up and out of reach of children. Keep container tightly closed. Keep/Store away from combustibles. Keep away from heat, flames and sparks. Keep out of direct sunlight. Store in dry, cool, well-ventilated area. Keep from freezing. Storage temperature: 5 °C – 30 °C.
Maximum storage period	:	15 months

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hydrogen peroxide (7722-84-1)		
USA - ACGIH	ACGIH TWA (ppm)	1 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls	:	Ensure good ventilation of the work station.
Environmental exposure controls	:	Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Neoprene or nitrile rubber gloves

Eye protection:

Wear approved eye protection (properly fitted dust- or splash-proof chemical safety goggles) and face protection (face shield).

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Other information:

In confined spaces, must use face and eye protection, approved respirator and proper skin protection such as coveralls and boots. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety procedures.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Emulsion
Colour	:	white
Odour	:	Aromatic
Odour threshold	:	No data available
pH	:	Acidic
Relative evaporation rate (butylacetate=1)	:	< 1
Relative evaporation rate (ether=1)	:	No data available
Melting point	:	0 °C
Freezing point	:	No data available
Boiling point	:	> 100 °C
Flash point	:	> 93.3 °C
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not flammable
Vapour pressure	:	< 10.34
Vapour pressure at 50 °C	:	No data available

Relative density	:	No data available
Solubility	:	Partially soluble.
Partition coefficient n-octanol/water	:	No data available
Viscosity	:	9 - 25000 cP
Oxidising properties	:	May intensify fire; oxidiser.
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	:	No dangerous reactions known under normal conditions of use.
Chemical stability	:	Stable under normal conditions. May intensify fire; oxidiser.
Possibility of hazardous reactions	:	No dangerous reactions known under normal conditions of use.
Conditions to avoid	:	Direct sunlight. Heat. Sparks. Open flame. Incompatible materials. Keep from freezing.
Incompatible materials	:	Strong acids. Strong oxidizing agents. Combustible materials. Strong alkalis.
Hazardous decomposition products	:	May include, and are not limited to: oxides of carbon. Oxygen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Oral: Not classified.
Acute toxicity (dermal)	:	Not classified.
Acute toxicity (inhalation)	:	Inhalation:vapour: Not classified.

Benzyl alcohol (100-51-6)	
LD50 oral rat	1230 mg/kg
LD50 dermal rabbit	2 g/kg
LC50 inhalation rat	8.8 mg/l/4h

Hydrogen peroxide (7722-84-1)	
LD50 oral rat	1518 mg/kg
LD50 dermal rat	4060 mg/kg
LD50 dermal rabbit	2000 mg/kg
LC50 inhalation rat	2 g/m³ (Exposure time: 4 h)

Dipentene (138-86-3)	
LD50 oral rat	5300 mg/kg

Skin corrosion/irritation	:	Not classified. pH: Acidic.
Serious eye damage/irritation	:	Causes serious eye damage. pH: Acidic.
Respiratory or skin sensitization	:	May cause an allergic skin reaction.
Germ cell mutagenicity	:	Not classified.
Carcinogenicity	:	Not classified.
Reproductive toxicity	:	Not classified.
STOT-single exposure	:	May cause drowsiness or dizziness. May cause respiratory irritation.
STOT-repeated exposure	:	Not classified.
Aspiration hazard	:	Not classified.
Symptoms/effects after inhalation	:	May cause respiratory irritation. May cause drowsiness or dizziness. May cause central nervous system effects. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects.
Symptoms/effects after skin contact	:	May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.
Symptoms/effects after eye contact	:	Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/effects after ingestion	:	May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information	:	Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

Benzyl alcohol (100-51-6)	
LC50 fish 1	460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
LC50 fish 2	10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	23 mg/l (Exposure time: 48 h - Species: water flea)

Hydrogen peroxide (7722-84-1)	
LC50 fish 1	16.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
LC50 fish 2	18 - 56 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	18 - 32 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

12.2. Persistence and degradability

AiA	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

AiA	
Bioaccumulative potential	Not established.

Benzyl alcohol (100-51-6)	
Partition coefficient n-octanol/water	1.1

Hydrogen peroxide (7722-84-1)	
BCF fish 1	(no bioaccumulation)

12.4. Mobility in soil

Benzyl alcohol (100-51-6)	
Partition coefficient n-octanol/water	1.1

12.5. Other adverse effects

Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Additional information : Clean up even minor leaks or spills if possible without unnecessary risk. Empty containers may contain residues which are hazardous.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

UN-No. (TDG) : UN2984

Packing group : III

TDG Primary Hazard Classes : 5.1 - Class 5.1 - Oxidizing Substances

Transport document description : UN2984 HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1, III

Proper Shipping Name (Transportation of Dangerous Goods) : HYDROGEN PEROXIDE, AQUEOUS SOLUTION

Hazard labels (TDG) :



14.2. Transport information/DOT

No additional information available

14.3. Air and sea transport

IMDG

UN-No. (IMDG) : 2984

Proper Shipping Name (IMDG) : HYDROGEN PEROXIDE, AQUEOUS SOLUTION

Transport document description (IMDG) : UN 2984 HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1, III

Class (IMDG)	:	5.1 - Oxidizing substances
Packing group (IMDG)	:	III - substances presenting low danger

IATA

UN-No. (IATA)	:	2984
Proper Shipping Name (IATA)	:	Hydrogen peroxide, aqueous solution
Transport document description (IATA)	:	UN 2984 Hydrogen peroxide, aqueous solution, 5.1, III
Class (IATA)	:	5.1
Packing group (IATA)	:	III

SECTION 15: Regulatory information

15.1. National regulations

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

15.2. International regulations

No additional information available

SECTION 16: Other information

Date of issue	:	05/30/2017
Revision date	:	12/20/2017
Other information	:	None.
Prepared by	:	Nexreg Compliance Inc. www.Nexreg.com

SDS Canada (GHS)_NEXREG_NEW

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