

acc. to Hazardous Products Regulations (HPR)

Armor All Disinfectant 3in1 Cleaner

Version number: 1.0 Date of compilation: 2020-11-19

SECTION 1: Identification

1.1 Product identifier

Trade name Armor All Disinfectant 3in1 Cleaner

Alternative number(s) 070612457318

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

Relevant identified uses General use

1.3 Details of the supplier of the safety data sheet

Energizer Manufacturing, Inc. 25225 Detroit Rd. Westlake OH 44145 United States

Telephone: 800-383-7323; 314-985-2000 (USA / CANADA)

Website: http://data.energizer.com

Energizer Trading Ltd.

Sword House, Totteridge Road, High Wycombe, HP13 6DG, UK

Telephone: +44(0)8000353376

e-mail: ConsumerServiceEU@energizer.com

1.4 Emergency telephone number

Emergency information service 1-314-985-1511 Int'l: 1-800-526-4727

This number is only available during the following

office hours: Mon-Fri 09:00 AM - 05:00 PM

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

Section	Hazard class	Category	Hazard class and category	Hazard state- ment
3.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
3.3	serious eye damage/eye irritation	2B	Eye Irrit. 2B	H320

For full text of abbreviations: see SECTION 16.

2.2 Label elements

Labeling

- Signal word warning

Canada: en Page: 1 / 16



acc. to Hazardous Products Regulations (HPR)

Armor All Disinfectant 3in1 Cleaner

Version number: 1.0 Date of compilation: 2020-11-19

- Pictograms

GHS07



- Hazard statements

H315+H320 Causes skin and eye irritation.

- Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.
P103 Read label before use.
P280 Wear protective gloves.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

2.3 Other hazards

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
Hydrogen Peroxide	CAS No 7722-84-1	1-<5	Ox. Liq. 1 / H271 Acute Tox. 4 / H302 Acute Tox. 4 / H332 Skin Corr. 1A / H314 Eye Dam. 1 / H318	

For full text of abbreviations: see SECTION 16.

Canada: en Page: 2 / 16



acc. to Hazardous Products Regulations (HPR)

Armor All Disinfectant 3in1 Cleaner

Version number: 1.0 Date of compilation: 2020-11-19

SECTION 4: First-aid measures

4.1 Description of first- aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO2)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

Canada: en Page: 3 / 16



acc. to Hazardous Products Regulations (HPR)

Armor All Disinfectant 3in1 Cleaner

Version number: 1.0 Date of compilation: 2020-11-19

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation Use local and general ventilation. Use only in well-ventilated areas.
- Handling of incompatible substances or mixtures
- Keep away from

Caustic solutions

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

Canada: en Page: 4 / 16



acc. to Hazardous Products Regulations (HPR)

Armor All Disinfectant 3in1 Cleaner

Version number: 1.0 Date of compilation: 2020-11-19

7.2 Conditions for safe storage, including any incompatibilities

Control of the effects

Protect against external exposure, such as

Frost

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

Coun try	Name of agent	CAS No	Iden- tifier	TWA [ppm]	TWA [mg/ m³]	STEL [ppm]	STEL [mg/ m³]	Ceil- ing-C [ppm]	Ceil- ing-C [mg/ m³]	Nota tion	Sourc e
CA	hydrogen perox- ide	7722-84- 1	OEL (AB)	1	1.4						OHS Code
CA	hydrogen perox- ide	7722-84- 1	OEL (BC)	1							"BC Regu- lation"
CA	hydrogen perox- ide	7722-84- 1	OEL (ON- MoL)	1							MoL
CA	hydrogen perox- ide	7722-84- 1	PEV/ VEA	1	1.4						Regu- lation OHS

Notation

Ceiling-C

ceiling value is a limit value above which exposure should not occur short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period

STEL short-term exposure limit: a limit (unless otherwise specified)

TWA time-weighted average (lor

time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-

weighted average (unless otherwise specified

Relevant DNELs of components of the mixture

Name of substance	CAS No	End- point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Hydrogen Peroxide	7722-84-1	DNEL	1.4 mg/m³	human, inhalatory	worker (industry)	chronic - local ef- fects
Hydrogen Peroxide	7722-84-1	DNEL	3 mg/m³	human, inhalatory	worker (industry)	acute - local ef- fects

Canada: en Page: 5 / 16



acc. to Hazardous Products Regulations (HPR)

Armor All Disinfectant 3in1 Cleaner

Version number: 1.0 Date of compilation: 2020-11-19

Relevant PNECs of components of the mixture

Name of substance	CAS No	End- point	Threshold level	Organism	Environmental compartment	Exposure time
Hydrogen Peroxide	7722-84-1	PNEC	0.013 ^{mg} / _l	aquatic organisms	freshwater	short-term (single instance)
Hydrogen Peroxide	7722-84-1	PNEC	0.013 ^{mg} / _l	aquatic organisms	marine water	short-term (single instance)
Hydrogen Peroxide	7722-84-1	PNEC	4.66 ^{mg} / _l	aquatic organisms	sewage treat- ment plant (STP)	short-term (single instance)
Hydrogen Peroxide	7722-84-1	PNEC	0.047 ^{mg} / _{kg}	aquatic organisms	freshwater sedi- ment	short-term (single instance)
Hydrogen Peroxide	7722-84-1	PNEC	0.047 ^{mg} / _{kg}	aquatic organisms	marine sediment	short-term (single instance)
Hydrogen Peroxide	7722-84-1	PNEC	0.002 ^{mg} / _{kg}	terrestrial organ- isms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

Canada: en Page: 6 / 16



acc. to Hazardous Products Regulations (HPR)

Armor All Disinfectant 3in1 Cleaner

Version number: 1.0 Date of compilation: 2020-11-19

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	clear - slightly hazy
Odor	characteristic

Other safety parameters

pH (value)	1.4 – 2.4 (acid)
Melting point/freezing point	not determined
Initial boiling point and boiling range	100 °C
Flash point	not determined
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Explosive limits	not determined
Vapor pressure	not determined
Density	not determined
Vapor density	this information is not available
Relative density	1.015 – 1.025 (air = 1)

Solubility(ies)

- Water solubility	miscible in any proportion
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Partition coefficient

- n-octanol/water (log KOW)	this information is not available
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Canada: en Page: 7 / 16



acc. to Hazardous Products Regulations (HPR)

Armor All Disinfectant 3in1 Cleaner

Version number: 1.0 Date of compilation: 2020-11-19

Other information	there is no additional information
Oxidizing properties	none
Explosive properties	not explosive (GHS of the United Nations, annex 4)
Viscosity	not determined
Auto-ignition temperature	not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

9.2

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

There is no additional information.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to GHS

Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful in contact with skin.

Canada: en Page: 8 / 16



acc. to Hazardous Products Regulations (HPR)

Armor All Disinfectant 3in1 Cleaner

Version number: 1.0 Date of compilation: 2020-11-19

Acute toxicity estimate (ATE) of components of the mixture

Name of substance	CAS No	Exposure route	ATE
Hydrogen Peroxide	7722-84-1	oral	1,026 ^{mg} / _{kg}
Hydrogen Peroxide	7722-84-1	inhalation: vapour	11 ^{mg} / _l /4h

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes eye irritation.

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute)

Endpoint	Value	Species	Exposure time
LC50	16.4 ^{mg} / _l	fathead minnow (Pimephales pro- melas)	96 h
EC50	2.4 ^{mg} / _l	daphnia pulex	48 h
ErC50	1.38 ^{mg} / _l	aquatic organisms	72 h

Canada: en Page: 9 / 16



acc. to Hazardous Products Regulations (HPR)

Armor All Disinfectant 3in1 Cleaner

Version number: 1.0 Date of compilation: 2020-11-19

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Hydrogen Peroxide	7722-84-1	LC50	16.4 ^{mg} / _l	fish	96 h
Hydrogen Peroxide	7722-84-1	ErC50	1.38 ^{mg} / _l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Hydrogen Peroxide	7722-84-1	EC50	466 ^{mg} / _l	microorganisms	30 min

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Other adverse effects

Endocrine disrupting potential

None of the ingredients are listed.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

Canada: en Page: 10 / 16



acc. to Hazardous Products Regulations (HPR)

Armor All Disinfectant 3in1 Cleaner

Version number: 1.0 Date of compilation: 2020-11-19

SECTION 14: Transport information

14.1 UN number not subject to transport regulations

14.2 UN proper shipping name not assigned
 14.3 Transport hazard class(es) not assigned
 14.4 Packing group not assigned

14.5 Environmental hazards hazardous to the aquatic environment

14.6 Special precautions for user

There is no additional information.

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

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

DOT

Transport information - National regulations - Additional information (UN RTDG)

not assigned

International Maritime Dangerous Goods Code (IMDG)

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR)

Not subject to ICAO-IATA.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Toxic Substance Control Act (TSCA) all ingredients are listed

Superfund Amendment and Reauthorization Act (SARA TITLE III)

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

The List of Extremely Hazardous Substances and Their Threshold Planning Quantities

Name of substance	CAS No	Notes	Reportable quantity (pounds)	Threshold plan- ning quantity (pounds)
Hydrogen Peroxide	7722-84-1	f	1,000	1000

Legend

f Chemical on the original list that does not meet toxicity criteria but because of its acute lethality, high production volume and

Canada: en Page: 11 / 16



acc. to Hazardous Products Regulations (HPR)

Armor All Disinfectant 3in1 Cleaner

Version number: 1.0 Date of compilation: 2020-11-19

Legend

known risk is considered chemical of concern ("Other chemicals"). (November 17, 1986, and February 15, 1990.)

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals

Name acc. to inventory	CAS No	Remarks	Type of the toxicity
1,4-dioxane	123-91-1		cancer
sulfur dioxide	7446-09-5		developmental

EPA Label Information

- Authorization number

EPA Registration Number: 85837-4-96016

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	1	irritation or minor reversible injury possible
Flammability	0	material that will not burn under typical fire conditions
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	0	material that will not burn under typical fire conditions
Health	1	material that, under emergency conditions, can cause significant irritation
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

Canada: en Page: 12 / 16



acc. to Hazardous Products Regulations (HPR)

Armor All Disinfectant 3in1 Cleaner

Version number: 1.0 Date of compilation: 2020-11-19

National regulations (Canada)

Domestic Substances List (DSL) All ingredients are listed.

National inventories

Country	Inventory	Status
AU	AICS	all ingredients are listed
CA	DSL	all ingredients are listed
CN	IECSC	all ingredients are listed
EU	ECSI	all ingredients are listed
EU	REACH Reg.	not all ingredients are listed
JP	CSCL-ENCS	not all ingredients are listed
KR	KECI	all ingredients are listed
MX	INSQ	not all ingredients are listed
NZ	NZIoC	all ingredients are listed
PH	PICCS	all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	all ingredients are listed
US	TSCA	all ingredients are listed

Legend

AICS Australian Inventory of Chemical Substances CICR Chemical Inventory and Control Regulation

CSCL-ENCS DSL List of Existing and New Chemical Substances (CSCL-ENCS)

Domestic Substances List (DSL)

ECSI IECSC

EC Substances List (USL)
EC Substance Inventory (EINECS, ELINCS, NLP)
Inventory of Existing Chemical Substances Produced or Imported in China
National Inventory of Chemical Substances
Korea Existing Chemicals Inventory ĪNSQ KECI NZIoC

New Zealand Inventory of Chemicals
Philippine Inventory of Chemicals and Chemical Substances (PICCS)

REACH Reg. REACH registered substances

Taiwan Chemical Substance Inventory TCSI Toxic Substance Control Act **TSCA**

15.2 **Chemical Safety Assessment**

Chemical safety assessments for substances in this mixture were not carried out.

Canada: en Page: 13 / 16



acc. to Hazardous Products Regulations (HPR)

Armor All Disinfectant 3in1 Cleaner

Version number: 1.0 Date of compilation: 2020-11-19

SECTION 16: Other information, including date of preparation or last revision

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
"BC Regulation"	OHS Regulation: Section 5.48 (British Columbia)
Acute Tox.	Acute toxicity
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
DOT	Department of Transportation (USA)
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
MoL	Ministry of Labor: Current Occupational Exposure Limits for Ontario Workplaces Required under Regulation 833
NLP	No-Longer Polymer
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OHS Code	Occupational Health and Safety Code: Occupational exposure limits for chemical substances (Alberta)

Canada: en Page: 14 / 16



acc. to Hazardous Products Regulations (HPR)

Armor All Disinfectant 3in1 Cleaner

Version number: 1.0 Date of compilation: 2020-11-19

Abbr.	Descriptions of used abbreviations
Ox. Liq.	Oxidizing liquid
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
Regulation OHS	Regulation respecting occupational health and safety: Permissible exposure values for airborne contamin- ants (Quebec)
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
STEL	Short-term exposure limit
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

Hazardous Products Regulations (HPR).

UN Recommendations on the Transport of Dangerous Good. International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H271	May cause fire or explosion; strong oxidizer.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H320	Causes eye irritation.
H332	Harmful if inhaled.

Canada: en Page: 15 / 16



acc. to Hazardous Products Regulations (HPR)

Armor All Disinfectant 3in1 Cleaner

Version number: 1.0 Date of compilation: 2020-11-19

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Canada: en Page: 16 / 16