Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Armor All Car Wash - Bottle

Version number: 3.1
Replaces version of: 2020-06-10 (2)

Revision: 2021-03-04

SECTION 1: Identification

1.1 Product identifier

Trade name **Armor All Car Wash - Bottle**

Alternative number(s) 070612254641, 067788251024, 070612250247, 067788251253, 067788251024, 067788251253

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 OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard state-ment
A.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319

For full text of abbreviations: see SECTION 16.

2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word warning

- Pictograms

GHS07

- Hazard statements

H319	Causes serious 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 eye protection/face protection.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

Hazards not otherwise classified

Contains Methylchloroisothiazolinone. May produce an allergic reaction.

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
Alkylbenzene Sulfonic Acid	CAS No 68584-22-5	1 – < 5	Acute Tox. 4 / H302 Acute Tox. 4 / H332	
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	CAS No 68439-57-6	1 – < 5	Skin Irrit. 2 / H315 Eye Dam. 1 / H318	
Methylchloroiso-thiazolinone	CAS No 55965-84-9	< 1	Acute Tox. 4 / H302 Acute Tox. 3 / H311 Acute Tox. 4 / H332 Skin Corr. 1C / H314 Eye Dam. 1 / H318 Skin Sens. 1A / H317	

For full text of abbreviations: see SECTION 16.

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. 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, BC-powder, Carbon dioxide (CO2)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)

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.

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.

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

Hazardous combustion products: see section 5. 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.

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.

7.2 Conditions for safe storage, including any incompatibilities

Control of the effects

Protect against external exposure, such as

Frost

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

This information is not available.

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
Alkylbenzene Sulfonic Acid	68584-22-5	DNEL	0.66 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Alkylbenzene Sulfonic Acid	68584-22-5	DNEL	3.33 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	DNEL	152.2 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	DNEL	2,158 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Methylchloroisothiazolinone	55965-84-9	DNEL	0.02 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
Methylchloroisothiazolinone	55965-84-9	DNEL	0.04 mg/m³	human, inhalatory	worker (industry)	acute - local effects

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Alkylbenzene Sulfonic Acid	68584-22-5	PNEC	1 mg/l	aquatic organisms	freshwater	short-term (single instance)
Alkylbenzene Sulfonic Acid	68584-22-5	PNEC	1 mg/l	aquatic organisms	marine water	short-term (single instance)
Alkylbenzene Sulfonic Acid	68584-22-5	PNEC	100 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Alkylbenzene Sulfonic Acid	68584-22-5	PNEC	723,500,000 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
Alkylbenzene Sulfonic Acid	68584-22-5	PNEC	723,500,000 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
Alkylbenzene Sulfonic Acid	68584-22-5	PNEC	868,700,000 $^{mg}/_{kg}$	terrestrial organisms	soil	short-term (single instance)
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	PNEC	0.024 $^{mg}/_{l}$	aquatic organisms	freshwater	short-term (single instance)
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	PNEC	0.002 $^{mg}/_{l}$	aquatic organisms	marine water	short-term (single instance)
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	PNEC	4 $^{mg}/_{l}$	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	PNEC	0.767 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	PNEC	0.077 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	PNEC	1.21 $^{mg}/_{kg}$	terrestrial organisms	soil	short-term (single instance)
Methylchloroisothiazolinone	55965-84-9	PNEC	3.39 $^{\mu g}/_{l}$	aquatic organisms	freshwater	short-term (single instance)
Methylchloroisothiazolinone	55965-84-9	PNEC	3.39 $^{\mu g}/_{l}$	aquatic organisms	marine water	short-term (single instance)
Methylchloroisothiazolinone	55965-84-9	PNEC	0.23 $^{mg}/_{l}$	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Methylchloroisothiazolinone	55965-84-9	PNEC	0.027 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
Methylchloroisothiazolinone	55965-84-9	PNEC	0.027 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)

Relevant PNECs of components of the mixture						
Name of substance	**CAS No**	**End-point**	**Threshold level**	**Organism**	**Environmental compartment**	**Exposure time**
Methylchloroiso-thiazolinone	55965-84-9	PNEC	0.01 $^{mg}/_{kg}$	terrestrial organisms	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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	various
Odor	characteristic

Other safety parameters

pH (value)	not determined
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)
Vapor pressure	0 Pa at 25 °C
Density	not determined
Vapor density	this information is not available
Relative density	Information on this property is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available

Auto-ignition temperature

Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

9.2	**Other information**	there is no additional information

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SECTION 10: Stability and reactivity

10.1 Reactivity

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

Oxidizers

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 OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components of the mixture

Name of substance	CAS No	Exposure route	ATE
Alkylbenzene Sulfonic Acid	68584-22-5	oral	1,470 $^{mg}/_{kg}$
Alkylbenzene Sulfonic Acid	68584-22-5	inhalation: vapor	11 $^{mg}/_{l}$/4h
Alkylbenzene Sulfonic Acid	68584-22-5	inhalation: dust/mist	1.9 $^{mg}/_{l}$/4h
Methylchloroisothiazolinone	55965-84-9	oral	457 $^{mg}/_{kg}$
Methylchloroisothiazolinone	55965-84-9	dermal	660 $^{mg}/_{kg}$
Methylchloroisothiazolinone	55965-84-9	inhalation: vapor	11 $^{mg}/_{l}$/4h

Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	**CAS No**	**Exposure route**	**ATE**
Methylchloroisothiazolinone	55965-84-9	inhalation: dust/mist	2.36 $^{mg}/_{l}$/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Contains Methylchloroisothiazolinone. May produce an allergic reaction.

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

Shall not be classified as hazardous to the aquatic environment.

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 Endocrine disrupting properties

None of the ingredients are listed.

12.7 Other adverse effects

Data are not available.

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

Only packagings which are approved (e.g. acc. to DOT) may be used. 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.

SECTION 14: Transport information

14.1 UN number

DOT	UN 1760
IMDG-Code	UN 1760
ICAO-TI	UN 1760

14.2 UN proper shipping name

DOT	Corrosive liquid, n.o.s.
IMDG-Code	CORROSIVE LIQUID, N.O.S.
ICAO-TI	Corrosive liquid, n.o.s.
Technical name (hazardous ingredients)	formaldehyde ... %, sodium hydroxide

14.3 Transport hazard class(es)

DOT	8
IMDG-Code	8
ICAO-TI	8

14.4 Packing group

DOT	III

IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards non-environmentally hazardous acc. to the dangerous goods regulations

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 of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration	UN1760, Corrosive liquid, n.o.s., (formaldehyde ... %, sodium hydroxide, solution), 8, III
Reportable quantity (RQ)	342,466 lbs (155,479 kg) (sodium hydroxide) (Sulfuric Acid)
Danger label(s)	8

Special provisions (SP)	IB3, T7, TP1, TP28
ERG No	154

International Maritime Dangerous Goods Code (IMDG) - Additional information

Particulars in the shipper's declaration	UN1760, CORROSIVE LIQUID, N.O.S., (formaldehyde ... %, sodium hydroxide, solution), 8, III
Marine pollutant	-
Danger label(s)	8

Special provisions (SP)	223, 274
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-A, S-B
Stowage category	A

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Particulars in the shipper's declaration	UN1760, Corrosive liquid, n.o.s., (formaldehyde ... %, sodium hydroxide, solution), 8, III
Danger label(s)	8

Special provisions (SP)	A3
Excepted quantities (EQ)	E1
Limited quantities (LQ)	1 L

SECTION 15: Regulatory information

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

National regulations (United States)

Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	Name acc. to inventory	CAS No	Functional-ity	Authoritative Lists
Water		7732-18-5	solvents	
Alkylbenzene Sulfonic Acid		68584-22-5	surfactant	
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		68439-57-6	cleaning agent	
Sodium Lauryl Ether Sulfate		68585-34-2	surfactant	
Hydroxyethyl cellulose		9004-62-0	thickener	
Sodium hydroxide	Sodium hydroxide	1310-73-2	pH Adjuster	OEHHA RELs
Sodium sulfate		7757-82-6	filler	
Sodium chloride		7647-14-5	preservative	
Sodium xylenesulphonate		1300-72-7	surfactant	
Alkenes, C>10 alpha		64743-02-8	surfactant	
Sulfuric Acid	Sulfuric Acid	7664-93-9	pH Adjuster	IARC Carcinogens - 1 NTP 13th RoC - known OEHHA RELs Prop 65
C10-16 Alcohol Ethoxylate		68002-97-1	surfactant	

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Name of substance	Name acc. to inventory	CAS No	Functional-ity	Authoritative Lists
Non-hazardous ingredients		Mixture	miscel-laneous	
Benzene derivatives		Trade secret	surfactant	
1,3-bis(hydroxymethyl)-5,5-di-methylimidazolidine-2,4-dione	DMDM hydantoin	6440-58-0	antimicrobi-al agent	Nonfunctional constituents
Polyoxyalkylene Substituted Chromophore (Blue)			colorant	
Methylchloroisothiazolinone		55965-84-9	preservative	

- Toxic or Hazardous Substance List (MA-TURA)

Name of substance	Name acc. to inventory	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Thres hold	De Minimis Concentra-tion Threshold
sodium hydroxide	Sodium hydroxide	1310-73-2				1.0 %

- Hazardous Substance List (NJ-RTK)

Name of substance	Name acc. to inventory	CAS No	Remarks	Classifications
sodium hydroxide	sodium hydroxide (caustic soda)	1310-73-2		CO R1

Legend

CO	Corrosive
R1	Reactive - First Degree

- Hazardous Substance List (Chapter 323) (PA-RTK)

Name of substance	Name acc. to inventory	CAS No	Classification
sodium hydroxide	SODIUM HYDROXIDE (NA(OH))	1310-73-2	E
Sodium sulfate	SODIUM SULFATE (SOLUTION)	7757-82-6	E

Legend

E	Environmental hazard

- Hazardous Substance List (RI-RTK)

Name of substance	Name acc. to inventory	CAS No	References
sodium hydroxide	Caustic soda	1310-73-2	T, F

Legend
F Flammability (NFPA®)
T Toxicity (ACGIH®)

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

The presence of Prop 65 chemicals in the product does not indicate whether or not a label warning is required.

Proposition 65 List of chemicals

Name acc. to inventory	CAS No	Remarks	Type of the toxicity
1,4-dioxane	123-91-1		cancer
benzene	71-43-2		cancer
benzene	71-43-2		developmental, male
sulfur dioxide	7446-09-5		developmental
ethylbenzene	100-41-4		cancer
cumene	98-82-8		cancer
beta-Myrcene	123-35-3		cancer
formaldehyde	50-00-0	gas	cancer
methanol	67-56-1		developmental
toluene	108-88-3		developmental

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	2	temporary or minor injury may occur
Flammability	1	material that must be preheated before ignition can occur
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

Category	Rating	Description
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	1	material that must be preheated before ignition can occur
Health	0	material that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

National inventories

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

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

Legend	
CSCL-ENCS	List of Existing and New Chemical Substances (CSCL-ENCS)
DSL	Domestic Substances List (DSL)
ECSI	EC Substance Inventory (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
INSQ	National Inventory of Chemical Substances
ISHA-ENCS	Inventory of Existing and New Chemical Substances (ISHA-ENCS)
KECI	Korea Existing Chemicals Inventory
NDSL	Non-domestic Substances List (NDSL)
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH Reg.	REACH registered substances
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

15.2 Chemical Safety Assessment

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

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

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relev-ant
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.		yes
2.3		Hazards not otherwise classified	yes
2.3		Hazards not otherwise classified: change in the listing (table)	yes
3.2		Description of the mixture: change in the listing (table)	yes
7.2		- Packaging compatibilities: Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.	yes
8.1		Relevant DNELs of components of the mixture: change in the listing (table)	yes
8.1		Relevant PNECs of components of the mixture: change in the listing (table)	yes
9.1	Explosive limits: not determined		yes
9.1	Vapor pressure: not determined	Vapor pressure: 0 Pa at 25 °C	yes
9.1	Auto-ignition temperature: not determined	Auto-ignition temperature	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relev-ant
9.2	Other information	other information: there is no additional information	yes
9.2	Solvent content: 98.74 %		yes
9.2	Solid content: 0.2433 %		yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
11.1	Respiratory or skin sensitization: Shall not be classified as a respiratory or skin sensitizer.	Respiratory or skin sensitization: Contains Methylchloroisothiazolinone. May produce an allergic reaction.	yes
12.7	Other adverse effects	Other adverse effects: Data are not available.	yes
13.1	Waste treatment of containers/packages: Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.	Waste treatment of containers/packages: Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.	yes
14.1	UN number: not subject to transport regulations	UN number	yes
14.1		DOT: UN 1760	yes
14.1		IMDG-Code: UN 1760	yes
14.1		ICAO-TI: UN 1760	yes
14.2	UN proper shipping name: not assigned	UN proper shipping name	yes
14.2		DOT: Corrosive liquid, n.o.s.	yes
14.2		IMDG-Code: CORROSIVE LIQUID, N.O.S.	yes
14.2		ICAO-TI: Corrosive liquid, n.o.s.	yes
14.2		Technical name (hazardous ingredients): formaldehyde ... %, sodium hydroxide	yes
14.3	Transport hazard class(es): not assigned	Transport hazard class(es)	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relev-ant
14.3		DOT: 8	yes
14.3		IMDG-Code: 8	yes
14.3		ICAO-TI: 8	yes
14.4	Packing group: not assigned	Packing group	yes
14.4		DOT: III	yes
14.4		IMDG-Code: III	yes
14.4		ICAO-TI: III	yes
14.7	Transport of dangerous goods by road or rail (49 CFR US DOT): Not subject to transport regulations.	Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information	yes
14.7		Particulars in the shipper's declaration: UN1760, Corrosive liquid, n.o.s., (formaldehyde ... %, sodium hydroxide, solution), 8, III	yes
14.7		Reportable quantity (RQ): 342,466 lbs (155,479 kg) (sodium hydroxide) (Sulfuric Acid)	yes
14.7		Danger label(s): 8	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7		Special provisions (SP): IB3, T7, TP1, TP28	yes
14.7		ERG No: 154	yes
14.7	International Maritime Dangerous Goods Code (IMDG): Not subject to IMDG.	International Maritime Dangerous Goods Code (IMDG) - Additional information	yes
14.7		Particulars in the shipper's declaration: UN1760, CORROSIVE LIQUID, N.O.S., (formaldehyde ... %, sodium hydroxide, solution), 8, III	yes
14.7		Marine pollutant: -	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relev-ant
14.7		Danger label(s): 8	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7		Special provisions (SP): 223, 274	yes
14.7		Excepted quantities (EQ): E1	yes
14.7		Limited quantities (LQ): 5 L	yes
14.7		EmS: F-A, S-B	yes
14.7		Stowage category: A	yes
14.7	International Civil Aviation Organization (ICAO-IATA/DGR): Not subject to ICAO-IATA.	International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information	yes
14.7		Particulars in the shipper's declaration: UN1760, Corrosive liquid, n.o.s., (formaldehyde ... %, sodium hydroxide, solution), 8, III	yes
14.7		Danger label(s): 8	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7		Special provisions (SP): A3	yes
14.7		Excepted quantities (EQ): E1	yes
14.7		Limited quantities (LQ): 1 L	yes
15.1		Cleaning Product Right to Know Act Substance List (CA-RTK): change in the listing (table)	yes
15.1		Toxic or Hazardous Substance List (MA-TURA)	yes
15.1		Toxic or Hazardous Substance List (MA-TURA): change in the listing (table)	yes
15.1		Hazardous Substance List (NJ-RTK)	yes

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15.1		Hazardous Substance List (NJ-RTK): change in the listing (table)	yes
15.1		Hazardous Substance List (Chapter 323) (PA-RTK)	yes
15.1		Hazardous Substance List (Chapter 323) (PA-RTK): change in the listing (table)	yes
15.1		Hazardous Substance List (RI-RTK)	yes
15.1		Hazardous Substance List (RI-RTK): change in the listing (table)	yes
15.1		California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987: The presence of Prop 65 chemicals in the product does not indicate whether or not a label warning is required.	yes
15.1		Proposition 65 List of chemicals: change in the listing (table)	yes
15.1		National inventories: change in the listing (table)	yes

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
49 CFR US DOT	49 CFR U.S. Department of Transportation
ACGIH®	American Conference of Governmental Industrial Hygienists
Acute Tox.	Acute toxicity
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
DEP CODE	Department of Environmental Protection Code
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
DOT	Department of Transportation (USA)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule

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Abbr.	Descriptions of used abbreviations
ERG No	Emergency Response Guidebook - Number
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
HHS	Higher hazard substance
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
LHS	Lower hazard substance
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NFPA®	National Fire Protection Association (United States)
NLP	No-Longer Polymer
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitization
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

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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
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.
H332	Harmful if inhaled.

Disclaimer

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