

# **Safety Data Sheet**

**Issue Date**: 13-Jul-2023 **Revision Date**: 26-Mar-2024 **Version** 2

# 1. IDENTIFICATION

**Product identifier** 

Product Name House Wash

Other means of identification

**SDS #** RMR-014

UN/ID No UN1791

Recommended use of the chemical and restrictions on use

Recommended Use House wash.

Details of the supplier of the safety data sheet

**Supplier Address** 

RMR Solutions 301 Appian Way Brighton, MI 48116 Ph: 866-822-8744 Fax: 810-227-5595

Website: rmrsolutions.com

**Emergency telephone number** 

Emergency Telephone Chemtel 800-255-3924

# 2. HAZARDS IDENTIFICATION



# Physical state Liquid

# Classification

Skin iirritation	Category 1 Sub-category B
Serious eye irritation	Category 1

#### Signal Word Danger

# **Hazard statements**

Irritating to skin & eyes



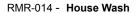
# **Precautionary Statements - Prevention**

Do not breathe dusts or mists
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

# **Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor

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





IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower Wash contaminated clothing before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing Immediately call a POISON CENTER or doctor

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

# **Precautionary Statements - Storage**

Store locked up

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

# Other hazards

Very toxic to aquatic life with long lasting effects

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Sodium hypochlorite	7681-52-9	4.5 – 4.9

<sup>\*\*</sup>If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

# 4. FIRST AID MEASURES

#### **Description of first aid measures**





**General Advice** Immediately call a poison center or doctor/physician.

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing. Get medical attention if irritation persists.

**Skin Contact** Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash

contaminated clothing before reuse.

**Inhalation** Remove person to fresh air and keep comfortable for breathing.

**Ingestion** Rinse mouth. Do NOT induce vomiting.

#### Most important symptoms and effects, both acute and delayed

**Symptoms** Can cause severe skin & eye irritation

#### Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

# 5. FIRE-FIGHTING MEASURES

# Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing** 

Media

Not determined.

# **Specific Hazards Arising from the Chemical**

Not determined.

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

# 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

**Personal Precautions**Use personal protective equipment as required.

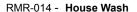
**Environmental precautions** 

**Environmental precautions** See Section 12 for additional Ecological Information.

# Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Keep in suitable, closed containers for disposal.





# 7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Do not breathe dusts or mists. Wash face, hands and any exposed skin thoroughly after

handling. Wear protective gloves/protective clothing and eye/face protection.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in cool area

**Incompatible Materials** Acids and ammonia

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies

**Appropriate engineering controls** 

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Refer to 29 CFR 1910.133 for eye and face protection regulations.

**Skin and Body Protection** Refer to 29 CFR 1910.138 for appropriate skin and body protection.

**Respiratory Protection** Refer to 29 CFR 1910.134 for respiratory protection requirements.

**General Hygiene** 

Considerations

Handle in accordance with good industrial hygiene and safety practice.

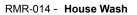
#### Information on basic physical and chemical properties

Physical state Liquid

Appearance Not determined Odor Not determined

9. PHYSICAL AND CHEMICAL PROPERTIES

ColorNot determinedOdor ThresholdNot determined





<u>Property</u>	<u>Values</u>	Remarks • Method
рН	No data available	
Melting point / freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flash point	No data available	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Liquid-Not applicable	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor Pressure	Not determined	
Vapor Density	No data available	
Relative Density	Not determined	



Water Solubility Not determined

Solubility in other solvents Not determined

Partition Coefficient Not determined

Autoignition temperature No data available

**Hyphen** Not determined

Kinematic viscosity Not determined

Dynamic Viscosity Not determined

**Explosive Properties**Oxidizing Properties
Not determined
Not determined

# 10. STABILITY AND REACTIVITY

# Reactivity

Not reactive under normal conditions.

# **Chemical stability**

Stable under recommended storage conditions.

# Possibility of hazardous reactions

Cam release chlorine gas in the presence of acids or ammonium containg products

# **Conditions to Avoid**

Keep out of reach of children.

# Incompatible materials

Acids, ammonia and soft metals

# **Hazardous decomposition products**

Oxides of carbon and chlorine



# 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

**Product Information** 

**Eye Contact** Avoid contact with eyes.

**Skin Contact** Avoid contact with skin.

**Inhalation** Do not inhale.

**Ingestion** Do not ingest.

#### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium hypochlorite 7681-52-9	= 8.91 g/kg(Rat)	> 20000 mg/kg(Rabbit)	> 10.5 mg/L (Rat)1 h
Proprietary Alkaline Booster	> 2000 mg/kg (Rat)	> 300 mg/kg(Rabbit)	> 2.16 mg/L (Rat)1 h
Proprietary Stabilizer	= 1960 mg/kg ( Rat )	-	-
Proprietary Surfactant	= 1288 mg/kg ( Rat )	= 200 mg/kg(Rabbit)	> 3900 mg/m³(Rat)1 h

## Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Please see section 4 of this SDS for symptoms.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** Causes severe skin burns.

Serious eye damage/eye

irritation

Causes severe eye damage.

**Carcinogenicity** Group 3 IARC components are "not classifiable as human carcinogens".

Chemical name	ACGIH	IARC	NTP	OSHA
Sodium hypochlorite		Group 3		
7681-52-9		•		

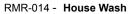
#### Legend

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

# **Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document





 Oral LD50
 91,808.30 mg/kg

 Dermal LD50
 27,810.00 mg/kg

 ATEmix (inhalation-dust/mist)
 25.962 mg/l

# 12. ECOLOGICAL INFORMATION

# **Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

# **Component Information**

Chemical name	Algae/aquatic plants	Fish	Crustacea
Sodium hypochlorite 7681-52-9	Algae/aquatic plants	Fish  LC50: 0.06 - 0.11mg/L (96h, Pimephales promelas)  LC50: 4.5 - 7.6mg/L (96h, Pimephales promelas)  LC50: 0.4 - 0.8mg/L (96h, Lepomis macrochirus)  LC50: 0.28 - 1mg/L (96h, Lepomis macrochirus)  LC50: 0.05 - 0.771mg/L (96h, Oncorhynchus mykiss)  LC50: 0.03 - 0.19mg/L (96h, Oncorhynchus mykiss)	Crustacea EC50: 0.033 - 0.044mg/L (48h, Daphnia magna)
		LC50: 0.18 - 0.22mg/L (96h,	
Proprietary Stabilizer		Oncorhynchus mykiss) LC50: 301 - 478mg/L (96h, Lepomis macrochirus) LC50: =3185mg/L (96h, Brachydanio rerio)	
Proprietary Surfactant	EC50: =53mg/L (72h, Desmodesmus subspicatus) EC50: 30 - 100mg/L (96h, Desmodesmus subspicatus) EC50: =117mg/L (96h, Pseudokirchneriella subcapitata) EC50: 3.59 - 15.6mg/L (96h, Pseudokirchneriella subcapitata)	LC50: 15 - 18.9mg/L (96h, Pimephales promelas) LC50: 8 - 12.5mg/L (96h, Pimephales promelas) LC50: 22.1 - 22.8mg/L (96h, Pimephales promelas) LC50: 4.3 - 8.5mg/L (96h, Oncorhynchus mykiss) LC50: =4.62mg/L (96h, Oncorhynchus mykiss) LC50: =4.2mg/L (96h, Oncorhynchus mykiss) LC50: =4.2mg/L (96h, Oncorhynchus mykiss) LC50: =7.97mg/L (96h, Brachydanio rerio) LC50: 9.9 - 20.1mg/L (96h, Brachydanio rerio) LC50: 4.06 - 5.75mg/L (96h, Lepomis macrochirus) LC50: 4.2 - 4.8mg/L (96h, Lepomis macrochirus) LC50: 4.5 - 7.5mg/L (96h, Pimephales promelas) LC50: 10.2 - 22.5mg/L (96h, Pimephales promelas) LC50: 6.2 - 9.6mg/L (96h, Pimephales promelas) LC50: 13.5 - 18.3mg/L (96h, Pimephales promelas)	EC50: =1.8mg/L (48h, Daphnia magna)

RMR-014 - House Wash



Revision Date: 26-Mar-2024

Poecilia reticulata)	
LC50: 10.8 - 16.6mg/L (96h,	
Poecilia reticulata)	
LC50: =1.31mg/L (96h, Cyprinu	s I
carpio)	

# Persistence/Degradability

Not determined.

#### **Bioaccumulation**

There is no data for this product.

#### <u>Mobility</u>

Not determined

### Other adverse effects

Not determined

# 13. DISPOSAL CONSIDERATIONS

# **Waste Treatment Methods**

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and

regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and

regulations.

# 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including

exemptions and special circumstances.

<u>DOT</u> Not Regulated

# 15. REGULATORY INFORMATION

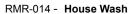
#### **International Inventories**

Chemical name	TS CA	TSCA Inventory Status	DSL/NDS L	EINECS/ ELINCS	ENCS	IECSC	KECL	PICCS	AIIC
Sodium hypochlorite	Х	ACTIVE	Х	X	Х	Х	X	Х	Х
Proprietary Alkaline Booster	Х	ACTIVE	Х	X	X	Х	Х	Х	X
Proprietary Stabilizer	Х	ACTIVE	Х	Х	Х	Х	X	Х	Х
Proprietary Surfactant	Χ	ACTIVE	X	X	X	X	X	X	Y

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List





EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

#### **US Federal Regulations**

#### **CERCLA**

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium hypochlorite	100 lb		RQ 100 lb final RQ
7681-52-9			RQ 45.4 kg final RQ
Proprietary Alkaline Booster	5000 lb		RQ 5000 lb final RQ
1			RQ 2270 kg final RQ

# **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

# **CWA (Clean Water Act)**

Chemical name	CWA - Reportable	CWA - Toxic	CWA - Priority	CWA - Hazardous
	Quantities	Pollutants	Pollutants	Substances
Sodium hypochlorite	100 lb			X

#### **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

# U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Sodium hypochlorite 7681-52-9	X	Х	Х
Proprietary Alkaline Booster	X	X	Х

# NFPA Health hazards Flammability Instability Special hazards HMIS Health hazards Flammability Physical hazards Personal Protection Not determined



Issue Date:13-Jul-2023Revision Date:26-Mar-2024

Revision Note: Corrected Formulation

#### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**