

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015) Issue date: 2021-10-31 Version: 1.0

SECTION 1: Identification			
1.1. Product identifier			
Product form Product name Type of product Product code Product group 1.2. Recommended use and restriction	 Mixture HG mold and mildew remover Detergent 186 ART Trade product 		
Recommended uses and restrictions	: Immediately destroys fungus and algae in damp places, inside and outside. For cleaning tiled walls (also suitable for marble) and grouting in the bathroom, shower, toilet, kitchen, cellar, basement, sauna, swimming pool, garage, shed etc It cleans also facades, balconies, plant boxes, garden ornaments etc. but excluding wood. It bleaches grey and black mould spots and green algae spots.		
1.3. Supplier			
Manufacturer HG International B.V. Damsluisweg 70 Almere, 1332 EJ The Netherlands T +31 (0)36 54 94 700 safety@hg.eu - www.hg.eu	Distributor Toolway Industries Ltd. 1-280 Hunter's Valley Road Woodbridge, On L4H 3V9 Canada		
1.4. Emergency telephone number			
Emergency number	: +31 (0)36 54 94 777 Only for medical personnel		

Country	Organization/Company	Address	Emergency number	Comment
Canada	Chemtrec		(813) 248 0585	Toll Free (800) 255 3924 (24h)

Mon-Fri 09:00 AM - 05:00 PM (CEST)

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Skin corrosion/irritation Category 2	H315	Causes skin irritation
Serious eye damage/eye irritation Category 2	H319	Causes serious eye irritation
Hazardous to the aquatic environment - Acute Hazard Category 1	H400	Very toxic to aquatic life
Hazardous to the aquatic environment - Chronic Hazard Category 1	H410	Very toxic to aquatic life with long lasting effects
Full text of H statements : see section 16		

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

2.2. GHS Label elements, including precautionary statements **GHS CA labeling** Hazard pictograms (GHS CA) Signal word (GHS CA) : Warning Hazard statements (GHS CA) : H315 - Causes skin irritation H319 - Causes serious eye irritation H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects Precautionary statements (GHS CA) : 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. P264 - Wash hands thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear protective clothing, protective gloves, eye protection. 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. 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. P391 - Collect spillage. 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)

No data available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Sodium hypochlorite	-	CAS-No.: 7681-52-9	≥2-<5	Met. Corr. 1, H290 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Sodium hydroxide	Bases	CAS-No.: 1310-73-2		Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Acute 3, H402

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures					
4.1. Description of first aid measures					
First-aid measures after inhalation First-aid measures after skin contact	 Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention. 				
First-aid measures after eye contact First-aid measures after ingestion	 Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Call a poison center/doctor/physician if you feel unwell. 				
4.2. Most important symptoms and effects (acute and delayed)					
Symptoms/effects after skin contact Symptoms/effects after eye contact	: Irritation. : Eye irritation.				
4.3. Immediate medical attention and special treatment, if necessary					
Other medical advice or treatment	: Treat symptomatically.				

SECTION 5: Fire-fighting measures				
5.1. Suitable extinguishing media				
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.			
5.2. Unsuitable extinguishing media				
Unsuitable extinguishing media	: Do not use a heavy water stream.			
5.3. Specific hazards arising from the hazardous product				
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Sulphur oxides. Metallic oxides. Halogenated compounds.			
5.4. Special protective equipment and precautions for fire-fighters				
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.			

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

6.2. Methods and materials for containment and cleaning up			
For containment: Collect spillage.Methods for cleaning up: Take up liquid spill into absorbent material.Other information: Dispose of materials or solid residues at an authorized site.			
6.3. Reference to other sections			

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

SECTION 7: Handling and stora	ige
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sodium hydroxide (1310-73-2)				
Canada (Alberta) - Occupational Exposure Limits				
Local name	Sodium hydroxide			
OEL C	2 mg/m³			
Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.			
Regulatory reference	Alberta Regulation 87/2009 (Alberta Regulation 150/2020)			
Canada (Quebec) - Occupational Exposure Limits				
Local name	Sodium hydroxide			
Plafond (OEL C)	2 mg/m ³			
Notations and remarks	RP			
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety			
Canada (British Columbia) - Occupational Exposure	e Limits			
Local name Sodium hydroxide				
OEL C	2 mg/m ³			
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)			
Canada (Manitoba) - Occupational Exposure Limits				
Local name	Sodium hydroxide			
OEL C	2 mg/m ³			
Notations and remarks	TLV® Basis: URT, eye, & skin irr			

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Regulatory reference	ACGIH		
Canada (Newfoundland and Labrador) - Occupatio	onal Exposure Limits		
Local name	Sodium hydroxide		
OEL C	2 mg/m ³		
Notations and remarks	TLV® Basis: URT, eye, & skin irr		
Regulatory reference	ACGIH		
Canada (Nova Scotia) - Occupational Exposure Li	nits		
Local name	Sodium hydroxide		
OEL C	2 mg/m ³		
Notations and remarks	TLV® Basis: URT, eye, & skin irr		
Regulatory reference	ACGIH		
Canada (Nunavut) - Occupational Exposure Limits			
Local name	Sodium hydroxide		
OEL C	2 mg/m ³		
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016		
Canada (Northwest Territories) - Occupational Exp	posure Limits		
Local name	Sodium hydroxide		
DEL C	2 mg/m ³		
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)		
Canada (Ontario) - Occupational Exposure Limits			
Local name	Sodium hydroxide		
OEL C	2 mg/m ³		
Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833		
Canada (Prince Edward Island) - Occupational Exp	oosure Limits		
Local name	Sodium hydroxide		
OEL C	2 mg/m³		
Notations and remarks	TLV® Basis: URT, eye, & skin irr		
Regulatory reference	ACGIH		
Canada (Saskatchewan) - Occupational Exposure	Limits		
Local name	Sodium hydroxide		
DEL C	2 mg/m ³		
	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1		

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Protective clothing. Protective shoes. Gloves. Safety glasses.

Hand protection: Protective gloves					
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0.35		
Disposable gloves	butyl rubber	6 (> 480 minutes)	0.5		

Eye protection:		
Safety glasses with side shields		
Туре	Field of application	Characteristics
Safety glasses	Normal use conditions	With side shields

Skin and body protection:	
Long sleeved protective clothing. Chemical resistant safety shoes	

Respiratory protection:

No respiratory protection needed under normal use conditions

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Relative evaporation rate (ether=1) : No da Melting point : 0 °C Freezing point : No da	%
Freezing point : No da	% ata available ata available
Auto-ignition temperature : No da Decomposition temperature : No da	ata available C ata available ata available ata available pplicable

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Relative vapor density at 20°C . No data available Relative density : 1.089 Solubility : In water, material soluble. Partition coefficient n-octanol/water (Log Pow) : No data available Viscosity, kinematic : No data available Explosion limits : No data available	Solubility Partition coefficient n-octanol/water (Log Pow) Viscosity, kinematic	 In water, material soluble. No data available No data available
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------

9.2. Other information

No additional information available

SECTION 10: Stability and reactivi	ity
Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: Acids.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	: No additional information available

SECTION 11: Toxicological information		
11.1. Information on toxicological effects		
Acute toxicity (dermal)	Not classified Not classified Not classified	
Sodium hypochlorite (7681-52-9)		
LD50 oral	8910 mg/kg body weight	
LD50 dermal	> 20000 mg/kg body weight	
LC50 Inhalation - Rat (Dust/Mist)	> 10500 mg/l	

8910 mg/kg body weight

Skin corrosion/irritation	: Causes skin irritation.	
	рН: 13.3	
Serious eye damage/irritation	: Causes serious eye irritation.	
	pH: 13.3	
Respiratory or skin sensitization	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Not classified	
STOT-single exposure	: Not classified	
Sodium hypochlorite (7681-52-9)		
STOT-single exposure	May cause respiratory irritation.	
STOT-repeated exposure	: Not classified	
Aspiration hazard	: Not classified	
Symptoms/effects after skin contact	: Irritation.	
Symptoms/effects after eye contact	: Eye irritation.	

ATE CA (oral)

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general Hazardous to the aquatic environment, short-term	: Very toxic to aquatic life with long lasting effects.: Very toxic to aquatic life.
(acute) Hazardous to the aquatic environment, long-term (chronic)	: Very toxic to aquatic life with long lasting effects.
Sodium hypochlorite (7681-52-9)	
LC50 - Fish [1]	2.1 mg/l
EC50 - Other aquatic organisms [1]	0.141 mg/l waterflea
Partition coefficient n-octanol/water (Log Pow)	-3.42
Sodium hydroxide (1310-73-2)	
LC50 - Fish [1]	> 35 mg/l
EC50 - Crustacea [1]	40.4 mg/l
EC50 - Other aquatic organisms [1]	> 33 mg/l waterflea
Partition coefficient n-octanol/water (Log Pow)	-3.88

12.2. Persistence and degradability

HG mold and mildew remover	
Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sodium hypochlorite (7681-52-9)	
Partition coefficient n-octanol/water (Log Pow)	-3.42
Sodium hydroxide (1310-73-2)	
Partition coefficient n-octanol/water (Log Pow)	-3.88
12.4. Mobility in soil	
Sodium hypochlorite (7681-52-9)	
Partition coefficient n-octanol/water (Log Pow)	-3.42
Sodium hydroxide (1310-73-2)	
Partition coefficient n-octanol/water (Log Pow)	-3.88
12.5. Other adverse effects	

Ozone

: Not classified

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

TDG	DOT	IMDG	ΙΑΤΑ
14.1. UN number	I		
UN1760	1760	1760	1760
14.2. Proper Shipping Name	-		
CORROSIVE LIQUID, N.O.S. (CONTAINS : Sodium hypochlorite)	Corrosive liquids, n.o.s. (CONTAINS : Sodium hypochlorite)	CORROSIVE LIQUID, N.O.S. (Sodium hypochlorite)	Corrosive liquid, n.o.s. (Sodium hypochlorite)
Fransport document description	-		
UN1760 CORROSIVE LIQUID, N.O.S. (CONTAINS : Sodium hypochlorite), 8, III	UN1760 Corrosive liquids, n.o.s. (CONTAINS : Sodium hypochlorite), 8, III	UN 1760 CORROSIVE LIQUID, N.O.S. (Sodium hypochlorite), 8, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1760 Corrosive liquid, n.o.s. (Sodium hypochlorite), 8, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es	3)		
8	8	8	8
B	CORROSIVE 8		
14.4. Packing group			
III	III	III	III
4.5. Environmental hazards	-		
Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Y
No supplementary information availab	ble		
4.6. Special precautions for us			

TDG UN-No. (TDG)

: UN1760

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

TDG Special Provisions	 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; (b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; (c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S; (d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or (e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. (3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment: (a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS.
Explosive Limit and Limited Quantity Index	: 5L
Excepted quantities (TDG)	: E1
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 5L
Emergency Response Guide (ERG) Number	: 154
DOT	
UN-No.(DOT)	: UN1760
DOT Special Provisions (49 CFR 172.102)	 IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T7 - 4 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	:
DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx) DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a
DOT Vessel Stowage Other	passenger vessel. : 40 - Stow "clear of living quarters"
IMDG Special provision (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG)	 223, 274 5 L E1 P001, LP01 IBC03 T7

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Tank special provisions (IMDG)	: TP1, TP28		
EmS-No. (Fire)	: F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE : S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES		
EmS-No. (Spillage)			
Stowage category (IMDG)	: A		
Properties and observations (IMDG)	: Causes burns to skin, eyes and mucous membranes.		
ΙΑΤΑ			
PCA Excepted quantities (IATA)	: E1		
PCA Limited quantities (IATA)	: Y841		
PCA limited quantity max net quantity (IATA)	: 1L		
PCA packing instructions (IATA)	: 852		
PCA max net quantity (IATA)	: 5L		
CAO packing instructions (IATA)	: 856		
CAO max net quantity (IATA)	: 60L		
Special provision (IATA)	: A3, A803		
ERG code (IATA)	: 8L		

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

Sodium hypochlorite (7681-52-9)

Listed on the Canadian DSL (Domestic Substances List)

Sodium hydroxide (1310-73-2)

Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

Sodium hypochlorite (7681-52-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

Sodium hydroxide (1310-73-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

SECTION 16: Other information	
Issue date	: 10-31-2021
Other information	: DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Full text of H-phrases:	
H290	May be corrosive to metals
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Abbreviations and acronyms:		
CAS-No.	Chemical Abstract Service number	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
IOELV	Indicative Occupational Exposure Limit Value	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
N.O.S.	Not Otherwise Specified	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
ThOD	Theoretical oxygen demand (ThOD)	
SDS	Safety Data Sheet	

Safety Data Sheet (SDS), Canada

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.