

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Product name : HG laundry pre-wash stain remover
Type of product : Detergent
Product code : 649 ART
Product group : Trade product

1.2. Recommended use and restrictions on use

No additional information available

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

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

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Serious eye damage/eye irritation Category 1 H318 Causes serious eye damage
Hazardous to the aquatic environment - Acute Hazard Category 2 H401 Toxic to aquatic life
Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS CA labeling

Hazard pictograms (GHS CA) :



Signal word (GHS CA) : Danger

Hazard statements (GHS CA) : H318 - Causes serious eye damage
H401 - Toxic to aquatic life

HG laundry pre-wash stain remover

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

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.
P273 - Avoid release to the environment.
P280 - Wear protective clothing, protective gloves, eye 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.
P310 - Immediately call a doctor, a POISON CENTER.
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)
Hydrogen peroxide ...%	Inorganic peroxides	CAS-No.: 7722-84-1	≥ 5 – < 10	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
Alcohols, C12-14, ethoxylated	-	CAS-No.: 68439-50-9	≥ 2 – < 5	Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Tridecanol, branched, ethoxylated (2-5 EO)	Fattyalcohol ethoxylates	CAS-No.: 69011-36-5	≥ 2 – < 5	Eye Irrit. 2, H319 Aquatic Chronic 3, H412
Sulphonic acids, C14-17-sec-alkane, sodium salts	Alkylsulphonates	CAS-No.: 97489-15-1	≥ 2 – < 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
Sodium p-cumenesulphonate	-	CAS-No.: 15763-76-5	≥ 2 – < 5	Eye Irrit. 2, H319
Alcohols, C13-15, branched and linear, ethoxylated	-	CAS-No.: 157627-86-6	≥ 2 – < 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412

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

HG laundry pre-wash stain remover

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately.
First-aid measures general	: Call a physician immediately.

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

Symptoms/effects after eye contact	: Serious damage to eyes.
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4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
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5.2. Unsuitable extinguishing media

Unsuitable extinguishing media	: Do not use a heavy water stream.
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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.
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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.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

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"

HG laundry pre-wash stain remover

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Do not breathe vapors, mist. 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. Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hydrogen peroxide ...% (7722-84-1)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA	1.4 mg/m ³
OEL TWA [ppm]	1 ppm
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	Hydrogen peroxide
VEMP (OEL TWA) [ppm]	1 ppm
Notations and remarks	C3
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA [ppm]	1 ppm
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA [ppm]	1 ppm
Notations and remarks	TLV® Basis: Eye, URT, & skin irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH
Canada (New Brunswick) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA [ppm]	1 ppm
Notations and remarks	Eye, URT, & skin irr

HG laundry pre-wash stain remover

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Hydrogen peroxide ...% (7722-84-1)	
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA [ppm]	1 ppm
Notations and remarks	TLV® Basis: Eye, URT, & skin irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA [ppm]	1 ppm
Notations and remarks	TLV® Basis: Eye, URT, & skin irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA [ppm]	1 ppm
OEL STEL [ppm]	2 ppm
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA [ppm]	1 ppm
OEL STEL [ppm]	2 ppm
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA [ppm]	1 ppm
Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA [ppm]	1 ppm
Notations and remarks	TLV® Basis: Eye, URT, & skin irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA [ppm]	1 ppm
OEL STEL [ppm]	2 ppm
Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1

HG laundry pre-wash stain remover

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

8.2. Appropriate engineering controls

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

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Protective clothing. Protective shoes. Gloves. Safety glasses.

Hand protection:				
Protective gloves				
Type	Material	Permeation	Thickness (mm)	Penetration
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		
Type	Field of application	Characteristics
Safety glasses	Normal use conditions	With side shields

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

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

Physical state : Liquid
Appearance : Liquid.
Color : Colorless
Odor : characteristic
Odor threshold : No data available
pH : 6 – 6.5
pH solution : 100 %
Relative evaporation rate (butyl acetate=1) : No data available

HG laundry pre-wash stain remover

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
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

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

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	: No additional information available
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 (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Sulphonic acids, C14-17-sec-alkane, sodium salts (97489-15-1)	
LD50 oral	> 500 mg/kg body weight
LD50 dermal	> 2000 mg/kg body weight
ATE CA (oral)	500 mg/kg body weight
Alcohols, C13-15, branched and linear, ethoxylated (157627-86-6)	
ATE CA (oral)	500 mg/kg body weight
Hydrogen peroxide ...% (7722-84-1)	
LD50 oral	694 mg/kg body weight
LC50 Inhalation - Rat (Dust/Mist)	> 170 mg/l
ATE CA (oral)	694 mg/kg body weight
ATE CA (Gases (except aerosol dispensers and lighters))	4500 ppmV/4h

HG laundry pre-wash stain remover

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Hydrogen peroxide ...% (7722-84-1)

ATE CA (vapors)	11 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h

Tridecanol, branched, ethoxylated (2-5 EO) (69011-36-5)

LD50 oral	> 2000 mg/kg body weight
LD50 dermal	> 2000 mg/kg body weight

Skin corrosion/irritation	: Not classified. pH: 6 – 6.5
Serious eye damage/irritation	: Causes serious eye damage. pH: 6 – 6.5
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified

Hydrogen peroxide ...% (7722-84-1)

STOT-single exposure	May cause respiratory irritation.
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STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Symptoms/effects after eye contact	: Serious damage to eyes.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Toxic to aquatic life.
Hazardous to the aquatic environment, short-term (acute)	: Toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Sulphonic acids, C14-17-sec-alkane, sodium salts (97489-15-1)

LC50 - Fish [1]	> 1 mg/l
EC50 - Other aquatic organisms [1]	9.81 mg/l waterflea
EC50 - Other aquatic organisms [2]	> 61 mg/l

Hydrogen peroxide ...% (7722-84-1)

LC50 - Fish [1]	16.4 mg/l
EC50 - Other aquatic organisms [1]	7.7 mg/l waterflea
EC50 - Other aquatic organisms [2]	1.38 mg/l
Partition coefficient n-octanol/water (Log Pow)	-1.6

Tridecanol, branched, ethoxylated (2-5 EO) (69011-36-5)

LC50 - Fish [1]	> 1 mg/l
EC50 - Other aquatic organisms [1]	> 1 mg/l waterflea
EC50 - Other aquatic organisms [2]	> 1 mg/l

HG laundry pre-wash stain remover

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

12.2. Persistence and degradability

HG laundry pre-wash stain 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.
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12.3. Bioaccumulative potential

Hydrogen peroxide ...% (7722-84-1)

Partition coefficient n-octanol/water (Log Pow)	-1.6
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12.4. Mobility in soil

Hydrogen peroxide ...% (7722-84-1)

Partition coefficient n-octanol/water (Log Pow)	-1.6
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12.5. Other adverse effects

Ozone : Not classified

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

In accordance with TDG / DOT / IMDG / IATA

TDG	DOT	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not applicable	Not applicable	Not applicable	Not applicable
Transport document description			
Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available			

HG laundry pre-wash stain remover

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

14.6. Special precautions for user

TDG

No data available

DOT

No data available

IMDG

No data available

IATA

No data available

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 p-cumenesulphonate (15763-76-5)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

Sulphonic acids, C14-17-sec-alkane, sodium salts (97489-15-1)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

Alcohols, C13-15, branched and linear, ethoxylated (157627-86-6)

Listed on the Canadian NDSL (Non-Domestic Substances List)

Hydrogen peroxide ...% (7722-84-1)

Listed on the Canadian DSL (Domestic Substances List)

Alcohols, C12-14, ethoxylated (68439-50-9)

Listed on the Canadian DSL (Domestic Substances List)

Tridecanol, branched, ethoxylated (2-5 EO) (69011-36-5)

Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

Sodium p-cumenesulphonate (15763-76-5)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Sulphonic acids, C14-17-sec-alkane, sodium salts (97489-15-1)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Alcohols, C13-15, branched and linear, ethoxylated (157627-86-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

HG laundry pre-wash stain remover

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Hydrogen peroxide ...% (7722-84-1)

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

Alcohols, C12-14, ethoxylated (68439-50-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Tridecanol, branched, ethoxylated (2-5 EO) (69011-36-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

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.

Full text of H-phrases:

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
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H412	Harmful 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

HG laundry pre-wash stain remover

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Abbreviations and acronyms:	
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	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.