

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Product name : HG in-wash odour eliminator for sportswear
Type of product : Detergent
Product code : 133 ART
Product group : Trade product

1.2. Recommended use and restrictions on use

Recommended use : Cleaning agent

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)

Oxidizing solids Category 3	H272	May intensify fire; oxidizer
Acute toxicity (oral) Category 4	H302	Harmful if swallowed
Serious eye damage/eye irritation Category 1	H318	Causes serious eye damage

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

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Hazard statements (GHS CA)	: H272 - May intensify fire; oxidizer H302 - Harmful if swallowed H318 - Causes serious eye damage
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. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P220 - Keep away from clothing and other combustible materials. P264 - Wash hands thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P280 - Wear eye protection, protective gloves. P301+P312 - IF SWALLOWED: Call a POISON CENTER, a doctor if you feel unwell. 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 POISON CENTER, a doctor. P330 - Rinse mouth. P370+P378 - In case of fire: Use dry extinguishing powder, carbon dioxide (CO ₂), foam, sand to extinguish. 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 percarbonate	Percarbonates	CAS-No.: 15630-89-4	≥ 50 – < 90	Ox. Sol. 3, H272 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 2, H401
Sodium carbonate	Bases	CAS-No.: 497-19-8	≥ 5 – < 15	Eye Irrit. 2, H319

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	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

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First-aid measures after eye contact	: Immediately rinse with water for a prolonged period while holding the eyelids wide open. 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 without medical advice. Loosen tight clothing such as a collar, tie, belt or waistband. Immediately call a poison center or doctor/physician.
First-aid measures general	: Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand. Call a poison center/doctor/physician if you feel unwell.

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

Symptoms/effects after eye contact : Serious damage to eyes.

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. Sand.

5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use a heavy water stream.

5.3. Specific hazards arising from the hazardous product

Fire hazard : May intensify fire; oxidizer.
Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon monoxide. Carbon dioxide. Sulphur oxides. Metallic oxides.

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

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Mechanically recover the product. Notify authorities if product enters sewers or public waters.
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 storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Avoid contact with skin and eyes.

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Hygiene measures : 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.
Incompatible materials : Combustible materials.
Heat-ignition : Keep away from heat and direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

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:

Safety glasses. Gloves. Protective clothing. Protective shoes.

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. EN 166		
Type	Field of application	Characteristics
Safety glasses	Normal use conditions	

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):



Other information:

Do not eat, drink or smoke when using this product.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Color	: white
Odor	: characteristic
Odor threshold	: No data available
pH	: 10.22
Relative evaporation rate (butyl acetate=1)	: No data available
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)	: Non flammable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.17 – 1.22 g/ml
Solubility	: Soluble in the following materials: cold water and hot water.
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	: May cause or intensify fire; oxidizer.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	: Combustible materials.
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)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

ATE CA (oral)	1275.812 mg/kg body weight
Sodium percarbonate (15630-89-4)	
LD50 oral	1034 mg/kg body weight
LD50 dermal	> 2000 mg/kg body weight

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Sodium percarbonate (15630-89-4)	
ATE CA (oral)	1034 mg/kg body weight
Sodium carbonate (497-19-8)	
LD50 oral rat	2800 mg/kg body weight
LD50 oral	4090 mg/kg body weight
LD50 dermal rabbit	> 2000 mg/kg body weight
LD50 dermal	> 2000 mg/kg body weight
LC50 Inhalation - Rat (Dust/Mist)	2300 mg/l
ATE CA (oral)	2800 mg/kg body weight
ATE CA (dust,mist)	2300 mg/l/4h

Skin corrosion/irritation	: Not classified pH: 10.22
Serious eye damage/irritation	: Causes serious eye damage. pH: 10.22
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
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	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Sodium percarbonate (15630-89-4)	
EC50 - Other aquatic organisms [1]	4.9 mg/l waterflea
Sodium carbonate (497-19-8)	
LC50 - Fish [1]	300 mg/l
EC50 - Crustacea [1]	200 – 227 mg/l
EC50 - Crustacea [2]	200 – 227 mg/l
EC50 - Other aquatic organisms [1]	265 mg/l waterflea
EC50 96h - Algae [1]	242 mg/l
Partition coefficient n-octanol/water (Log Pow)	-6.19

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12.2. Persistence and degradability

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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

Sodium carbonate (497-19-8)

Partition coefficient n-octanol/water (Log Pow)	-6.19
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12.4. Mobility in soil

Sodium carbonate (497-19-8)

Partition coefficient n-octanol/water (Log Pow)	-6.19
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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			
UN1479	1479	1479	1479
14.2. Proper Shipping Name			
OXIDIZING SOLID, N.O.S. (CONTAINS : Sodium percarbonate)	Oxidizing solid, n.o.s. (CONTAINS : Sodium percarbonate)	OXIDIZING SOLID, N.O.S. (CONTAINS : Sodium percarbonate)	Oxidizing solid, n.o.s. (CONTAINS : Sodium percarbonate)
Transport document description			
UN1479 OXIDIZING SOLID, N.O.S. (CONTAINS : Sodium percarbonate), 5.1, III	UN1479 Oxidizing solid, n.o.s. (CONTAINS : Sodium percarbonate), 5.1, III	UN 1479 OXIDIZING SOLID, N.O.S. (CONTAINS : Sodium percarbonate), 5.1, III	UN 1479 Oxidizing solid, n.o.s. (CONTAINS : Sodium percarbonate), 5.1, III
14.3. Transport hazard class(es)			
5.1	5.1	5.1	5.1
			

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TDG	DOT	IMDG	IATA
14.4. Packing group			
III	III	III	III
14.5. Environmental hazards			
Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available			

14.6. Special precautions for user

TDG

UN-No. (TDG)

: UN1479

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, 68 - These dangerous goods are forbidden for transport by vessel if they contain one or more of the following substances:
(a) AMMONIUM HYPOCHLORITE;
(b) AMMONIUM NITRATE liable to self-heating sufficient to initiate decomposition;
(c) AMMONIUM NITRITES and mixtures of an inorganic nitrite with an ammonium salt;
(d) CHLORIC ACID, AQUEOUS SOLUTION, with more than 10% chloric acid;
(e) ETHYL NITRITE, pure;
(f) HYDROCYANIC ACID, AQUEOUS SOLUTION (HYDROGEN CYANIDE, AQUEOUS SOLUTION) with more than 20% hydrogen cyanide;
(g) HYDROGEN CHLORIDE, REFRIGERATED LIQUID;
(h) HYDROGEN CYANIDE, SOLUTION IN ALCOHOL with more than 45% hydrogen cyanide;
(i) MERCURY OXYCYANIDE, pure;
(j) METHYL NITRITE;
(k) PERCHLORIC ACID with more than 72% acid, by mass;
(l) SILVER PICRATE, dry or wetted with less than 30% water, by mass; or
(m) ZINC AMMONIUM NITRITE.

Explosive Limit and Limited Quantity Index

: 5 kg

Excepted quantities (TDG)

: E1

Passenger Carrying Road Vehicle or Passenger

: 25 kg

Carrying Railway Vehicle Index

Emergency Response Guide (ERG) Number

: 140

DOT

UN-No.(DOT)

: UN1479

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DOT Special Provisions (49 CFR 172.102)	: 62 - Oxygen generators (see §171.8 of this subchapter) are not authorized for transportation under this entry. 148 - For domestic transportation, this entry directs to § 173.66 for: a. The standards for transporting a single bulk hazardous material for blasting by cargo tank motor vehicles (CTMV); and b. The standards for CTMVs capable of transporting multiple hazardous materials for blasting in bulk and non-bulk packagings (i.e, a multipurpose bulk truck (MBT)). IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2). IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant liner. T1 - 1.5 178.274(d)(2) Normal..... 178.275(d)(2) TP33 - The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter.
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	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
DOT Vessel Stowage Other	: 56 - Stow "separated from" ammonium compounds,58 - Stow "separated from" cyanides,106 - Stow "separated from" powdered metal,138 - Stow "Separated from" peroxides.
IMDG	
Special provision (IMDG)	: 223, 274, 900
Limited quantities (IMDG)	: 5 kg
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P002, LP02
IBC packing instructions (IMDG)	: IBC08
IBC special provisions (IMDG)	: B3
Tank instructions (IMDG)	: T1
Tank special provisions (IMDG)	: TP33
EmS-No. (Fire)	: F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	: S-Q - SPILLAGE SCHEDULE Quebec - OXIDIZING SUBSTANCES
Stowage category (IMDG)	: B
IATA	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y546
PCA limited quantity max net quantity (IATA)	: 10kg
PCA packing instructions (IATA)	: 559
PCA max net quantity (IATA)	: 25kg

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CAO packing instructions (IATA)	: 563
CAO max net quantity (IATA)	: 100kg
Special provision (IATA)	: A3, A803
ERG code (IATA)	: 5L

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 percarbonate (15630-89-4)

Listed on the Canadian DSL (Domestic Substances List)

Sodium carbonate (497-19-8)

Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

Sodium percarbonate (15630-89-4)

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

Sodium carbonate (497-19-8)

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 : 10-29-2021

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:

H272	May intensify fire; oxidizer
H302	Harmful if swallowed
H318	Causes serious eye damage
H319	Causes serious eye irritation
H401	Toxic to aquatic life

Abbreviations and acronyms:

CAS-No.	Chemical Abstract Service number
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Abbreviations and acronyms:	
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
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
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.