



HUGH CRANE

— Cleaning Equipment Limited —

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Product Information Sheet

VERSAN

BROAD SPECTRUM SURFACE DISINFECTANT FOR DISEASE CONTROL

BACTERICIDAL, FUNGICIDAL, VIRICIDAL



Kills 99.999% of bacteria at a dilution of 1:24 (Passes BS EN 1276 : 1997)

Contact Time: 5 minutes

Conditions: Dirty

Kill Rate: 99.999%

Certificate: Mgs Laboratories

Certificate No: MGS:17583 / SO No. 2004

Medical Hygiene

Effective against: HIV (AIDS), T.B., SARS, Hepatitis, MRSA, Influenza A, Herpes viridae, Norovirus.

Passes BS EN 1276.

Use on: Environmental surfaces that will only come into contact with the skin (not inside the body). Surfaces contaminated with blood or bloody bodily fluids or other soiling. Morgues, road traffic accidents, violent incidents, public buildings, public rooms, accidents.

Dilution: Normal solution – 1:24. 40ml up to 1 litre with water.

Strong solution – 1:4. 200ml up to 1 litre with water. Dilute in plastic containers.

Directions: Soiled surfaces must first be cleaned to ensure a thorough disinfection process. For heavy soiling use a quality degreaser such as Ubik 2000. After cleaning, apply a solution of VERSAN to the surface, ensuring that the surface is wetted by the disinfectant. Allow 5 minutes contact time. Wash away with potable water, or recover using clean water and a wet suction cleaner. For blood and bloody bodily fluids, apply a strong solution of VERSAN and leave for 10 minutes then remove the spill using a solution of cleaning product. Disinfect using a normal solution of VERSAN.

FOR HEPATITIS, USE A STRONG SOLUTION.

Animal Hygiene

Effective against: Parvo virus, Feline Panleukopenia, Calicivirus.

Use On: Kennel floors, walls, ceilings, tables, runs, walkways, door handles, doors.

Dilution: Normal solution – 1:24. 40ml up to 1 litre with water.

Strong solution – 1:4. 200ml up to 1 litre with water. Dilute in plastic containers.

Directions: Soiled surfaces must first be cleaned. Apply a solution of VERSAN to the surface, ensuring that the surface is wetted by the disinfectant. Allow 5 minutes contact time. Wash away with potable water. **FOR DECONTAMINATION, USE A STRONG SOLUTION.**

Food Industry

Effective against: Clostridium botulinum, E.Coli, Listeria monocytogenes, Streptococcus faecalis, Staphylococcus Aureus. **Passes BS EN 1276.**

Use On: Dispensing nozzles, vending nozzles, pipework, containers, chopping boards, utensils.

Dilution: Normal solution – 1:125. 80ml to 10 litres. Dilute in plastic containers.

Directions: Soiled surfaces must first be cleaned. Apply a solution of VERSAN to the surface, ensuring that the surface is wetted by the disinfectant. Allow 5 minutes contact time. Wash away with potable water.

Active Biocide: Sodium Hypochlorite CAS No. 7681-52-9

USE BIOCIDES SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.

NOT SUITABLE FOR SOAKING METAL EQUIPMENT. FOR PROFESSIONAL USE ONLY.

ALWAYS USE A FRESH SOLUTION. DISCARD AFTER USE.

ONLY USE DISPENSING EQUIPMENT MADE WITH 100% PLASTIC COMPONENTS.



SAFETY DATA SHEET

VERSAN

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product form : Mixture
Product name : VERSAN
Product code : 260
Type of product : Biocidal products (e.g. Disinfectants, pest control)
Product group : Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial. For professional use only
Use of the substance/mixture : Biocide

1.2.2. Uses advised against : No additional information available

1.3. Details of the supplier of the safety data sheet

Hugh Crane Cleaning Equipment Ltd
South Walsham Road, Acle
Norwich NR13 3ES
Tel 01493 750072 Fax 01493 751854

1.4. Emergency telephone number

Country	Official Advisory Body	Address	Emergency Telephone
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road, Birmingham, B18 7QH	0344 892 0111
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road Dublin 9	00 353 1 809 2533 Healthcare professionals 24/7) 00 353 1 809 2166 (public, 0800-2200 7/7)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Met. Corr. 1 H290
Skin Irrit. 2 H315
Eye Irrit. 2 H319
Aquatic Chronic 3 H412

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

Adverse physicochemical, human health and environmental effects No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

CLP Signal word

: Warning

Hazard statements (CLP)

: H290 - May be corrosive to metals.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary Statements (CLP)

: P102 - Keep out of reach of children.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves, eye protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.



P332+P313 - If skin irritation occurs: Get medical advice/attention.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362 - Take off contaminated clothing.
P233 - Keep container tightly closed.
P273 - Avoid release to the environment.
: EUH206 - Warning! Do not use together with other products. May release dangerous gases (chlorine).

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium hypochlorite	(CAS-no) 7681-52-9 (Einecs nr) 231-668-3 (EG annex nr) 017-011-00-1 (REACH-no) 01-2119488154-34	2.4	Met. Corr. 1, H290 Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=10)

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Sodium hypochlorite	(CAS-no) 7681-52-9 (Einecs nr) 231-668-3 (EG annex nr) 017-011-00-1 (REACH-no) 01-2119488154-34	(5 ≤ C ≤ 100) EUH031

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.

Skin contact : Wash with plenty of water/.... Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label).

Eye contact : 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.

Ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Acute effects skin : Causes skin irritation.

Acute effects eyes : Causes serious eye irritation. Redness.

Acute effects oral route : May cause irritation to the digestive tract.

4.3. Indication of any immediate medical attention and special treatment needed :No additional information available

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media : Water.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures



6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip clean-up crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Absorb spillage to prevent material damage.

6.4. Reference to other sections : See Heading 8. Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Additional hazards when processed : May be corrosive to metals.

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures : Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a cool, well-ventilated place.

Incompatible products : Strong acids.

Incompatible materials : Direct sunlight.

Packaging materials : Store in corrosive resistant container with a resistant inner liner. polyethylene.

7.3. Specific end use(s) : No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters : No additional information available

8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses

Protective equipment : Wear suitable protective clothing

Personal protective equipment symbol(s):



Other information : Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Physical state/form : Liquid.

Colour : Pale yellow.

Odour : Characteristic.

Odour threshold : No data available

pH : 11

Relative evaporation rate : No data available

(butylacetate=1)
Melting point/range : 0 °C

Freezing point : No data available

Boiling point/Boiling range : 100 °C

Flash point : No data available

Autoignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : Non flammable.

Vapour pressure : No data available



Relative vapour density at 20 °C	: No data available
Relative density	: 1.04
Solubility	: Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content : 0 g/l

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity	No additional information available
10.2. Chemical stability	Stable under normal conditions.
10.3. Possibility of hazardous reactions	Contact with acids liberates toxic gas.
10.4. Conditions to avoid	: Direct sunlight. Extremely high or low temperatures.
10.5. Incompatible materials	: Strong acids. metals. May be corrosive to metals.
10.6. Hazardous decomposition products	fume. Carbon monoxide. Carbon dioxide.

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

Sodium hypochlorite (7681-52-9)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation	: Causes skin irritation. pH: 11
Serious eye damage/irritation	: Causes serious eye irritation. pH: 11
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met

Potential adverse human health effects and symptoms: Based on available data, the classification criteria are not met.



SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

Sodium hypochlorite (7681-52-9)

LC50 fish 1	0.06 mg/l (fresh water)
LC50 fish 2	0.032 mg/l (marine water)
EC50 Daphnia 1	0.141 mg/l (Daphnia magna - fresh water)
EC50 other aquatic organisms 1	0.026 mg/l (Crassostrea virginica - marine water)

12.2. Persistence and degradability

VERSAN

Persistence and degradability	May cause long-term adverse effects in the environment.
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Sodium hypochlorite (7681-52-9)

Persistence and degradability	Strong oxidizing agent. It will react with organic substances present in soil and sediments and degrades rapidly to chloride. Sodium hypochlorite is substantially removed in biological treatment processes.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	No bioaccumulation.
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Sodium hypochlorite (7681-52-9)

Bioaccumulative potential	Bioaccumulation unlikely.
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12.4. Mobility in soil : No additional information available

12.5. Results of PBT and vPvB assessment

VERSAN

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Waste / unused products : Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

	ADR	IMDG	IATA
14.1. UN number	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)	Not regulated	Not regulated	Not regulated
14.4. Packing group	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards	Not regulated	Not regulated	Not regulated

No supplementary information available



14.6. Special precautions for user

Overland transport : Not regulated

Transport by sea : Not regulated

Air transport : Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content : 0 g/l

15.1.2. National regulations : No additional information available

15.2. Chemical safety assessment : No chemical safety assessment has been carried out

SECTION 16: OTHER INFORMATION

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

SDS Revision Date 12th October 2020

Full text of H- and EUH-statements:	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
EUH031	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
EUH206	Warning! Do not use together with other products. May release dangerous gases (chlorine).

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Met. Corr. 1	H290	Calculation method
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Aquatic Chronic 3	H412	Expert judgment

SDS EU (REACH Annex II)

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.

End of Safety Data Sheet.