

3% and 6% Sodium Hypochlorite

VISTA

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 22 February 2021 Revision date: 22 February 2021 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Mixture
Trade name	: 3% sodium hypochlorite and 6% sodium hypochlorite
1.2. Recommended use and restriction	ons on use
Use of the substance/mixture	: A sodium hypochlorite solution designed for irrigation, debridement, and cleansing of root canals during and after instrumentation.
1.3. Supplier	
Inter-Med, Inc. / Vista Dental Products	
2200 South Street	
Racine, WI 53404	
T: (877)-418-4782	
1.4. Emergency telephone number	
Emergency number	: 800-424-9300 (North America) / +1 (703) 527-3887 (International)
SECTION 2: Hazard(s) identificati	
2.1. Classification of the substance of	or mixture
GHS-US classification	
Skin corrosion/irritation Category 1B	Causes severe skin burns and eye damage
Serious eye damage/eye irritation Category	7 T Causes serious eye damage
2.2. GHS Label elements, including p	precautionary statements
GHS US labeling	
Signal word (GHS US)	: Danger
Hazard statements (GHS US)	: Causes severe skin burns and eye damage
Precautionary statements (GHS US)	: Do not breathe mist, spray, vapors.
	Wash hands thoroughly after handling.
	Wear protective gloves, eye protection.
	If swallowed: rinse mouth. Do NOT induce vomiting If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with
	water/shower
	If inhaled: Remove person to fresh air and keep comfortable for breathing
	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
	Immediately call a doctor, a POISON CENTER.
	Wash contaminated clothing before reuse.
	Store locked up.
	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 which do not resu	It in classification
Other hazards not contributing to the classification	: Contact with acids liberates toxic gas.
2.4. Unknown acute toxicity (GHS US	5)
Not applicable	
SECTION 3: Composition/Informa	tion on ingredients
3.1. Substances	

Not applicable

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3.2.	Mixtures			
Na	ame	Product identifier	%	GHS-US classification
So	dium hypochlorite	(CAS-No.) 7681-52-9	<6	Skin Corr. 1B, H314 Eye Dam. 1, H318

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 person to fresh air and keep comfortable for breathing. Give artificial respiration if necessary. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Wash off immediately and plentifully with water for at least 20 minutes. Take off immediately all contaminated clothing and wash it before reuse. Get immediate medical advice/attention.
First-aid measures after eye contact	: In case of eye contact, immediately rinse with clean water for 20-30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Get medical advice/attention.
4.2. Most important symptoms and ef	ffects (acute and delayed)
Symptoms/effects after inhalation	: Inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.
Symptoms/effects after skin contact	: Causes severe burns.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.
I.3. Immediate medical attention and	special treatment, if necessary
Freat symptomatically.	
SECTION 5: Fire-fighting measure	es la constante de la constante
5.1. Suitable (and unsuitable) extingu	iishing media
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: None known.
5.2. Specific hazards arising from the	e chemical
Fire hazard	: On combustion, forms: carbon oxides (CO and CO2). Toxic and irritating gases are released. If the product is involved in a fire, it can release toxic chlorine gases
Explosion hazard	: No direct explosion hazard.
5.3. Special protective equipment and	d precautions for fire-fighters
Firefighting instructions	: Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
	apparatus. Complete protective clothing.
SECTION 6: Accidental release me	apparatus. Complete protective clothing.
SECTION 6: Accidental release me 5.1. Personal precautions, protective	apparatus. Complete protective clothing.
SECTION 6: Accidental release me 5.1. Personal precautions, protective	apparatus. Complete protective clothing.
SECTION 6: Accidental release me 5.1. Personal precautions, protective 5.1.1. For non-emergency personnel	apparatus. Complete protective clothing. easures equipment and emergency procedures : Use personal protective equipment as required. For further information refer to section 8:
SECTION 6: Accidental release me 5.1. Personal precautions, protective 5.1.1. For non-emergency personnel Protective equipment Emergency procedures	apparatus. Complete protective clothing. easures equipment and emergency procedures : Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection".
SECTION 6: Accidental release me 5.1. Personal precautions, protective 5.1.1. For non-emergency personnel Protective equipment Emergency procedures	apparatus. Complete protective clothing. easures equipment and emergency procedures : Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection".
SECTION 6: Accidental release me a.1. Personal precautions, protective a.1.1. For non-emergency personnel Protective equipment Emergency procedures a.1.2. For emergency responders Protective equipment	apparatus. Complete protective clothing. easures equipment and emergency procedures : Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection". : Evacuate unnecessary personnel. : Do not attempt to take action without suitable protective equipment. In case of inadequate
SECTION 6: Accidental release me 6.1. Personal precautions, protective 6.1.1. For non-emergency personnel Protective equipment Emergency procedures 6.1.2. For emergency responders Protective equipment S.1.2. For emergency responders Protective equipment S.2. Environmental precautions	apparatus. Complete protective clothing. easures equipment and emergency procedures : Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection". : Evacuate unnecessary personnel. : Do not attempt to take action without suitable protective equipment. In case of inadequate
SECTION 6: Accidental release me 5.1. Personal precautions, protective 5.1.1. For non-emergency personnel Protective equipment Emergency procedures 5.1.2. For emergency responders Protective equipment	apparatus. Complete protective clothing. Easures equipment and emergency procedures : Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection". : Evacuate unnecessary personnel. : Do not attempt to take action without suitable protective equipment. In case of inadequate ventilation wear respiratory protection.
SECTION 6: Accidental release met S.1. Personal precautions, protective S.1.1. For non-emergency personnel Protective equipment Emergency procedures S.1.2. For emergency responders Protective equipment S.2. Environmental precautions Avoid release to the environment.	 apparatus. Complete protective clothing. equipment and emergency procedures Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection". Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. In case of inadequate ventilation wear respiratory protection.
SECTION 6: Accidental release mediate S.1. Personal precautions, protective S.1.1. For non-emergency personnel Protective equipment Emergency procedures S.1.2. For emergency responders Protective equipment S.2. Environmental precautions Avoid release to the environment. S.3. Methods and material for contain	 apparatus. Complete protective clothing. Casures equipment and emergency procedures : Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection". : Evacuate unnecessary personnel. : Do not attempt to take action without suitable protective equipment. In case of inadequate ventilation wear respiratory protection.

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SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.
7.2. Conditions for safe storage, inclu	ding any incompatibilities
Storage conditions	: Store in a well-ventilated place. Keep cool.
Incompatible materials	: Acids. ammonia. Amines. Powdered metals. Oxidizing agent. Organic materials. Methanol.
Storage temperature	: 4 °C (39 °F)

SECTION 8: Exposure controls/personal protection			
8.1. Control parameters			
Sodium hypochlorite (7681-52-9)			
AIHA	WEEL STEL (mg/m ³)	2 mg/m³ (15-min. STEL)	
8.2. Appropriate engineeri	ng controls		
Appropriate engineering controls	Ensure good ventilation of the work sta should be available in the immediate v	ation. Emergency eye wash fountains and safety showers icinity of any potential exposure.	
Environmental exposure controls : Avoid release to the environment.			
8.3. Individual protection n	neasures/Personal protective equipment		
Hand protection:			
Impermeable protective gloves	;		
Eye protection:			
Safety glasses with side shield	s		
Skin and body protection:			

Long sleeved protective clothing

Respiratory protection:

No respiratory protection needed under normal use conditions

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and o	chemical properties	
Physical state	: Liquid	
Appearance	: Clear.	
Color	: Yellow	
Odor	: Slight chlorine	
Odor threshold	: No data available	
рН	: 11.4 - 13	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: ≈ 100 °C (212 °F)	
Flash point	: No data available	
Relative evaporation rate (butyl acetate=1)	: No data available	
Flammability (solid, gas)	: No data available	
Vapor pressure	: 17.5 mm Hg (20° C)	
Relative vapor density at 20 °C	: No data available	
Relative density	: No data available	
Specific gravity / density	: ≈ 1.1 (70 °F)	
Solubility	: No data available	

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Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

No additional information available		
SECTION 10: Stability and reactivity		
10.1. Reactivity		
Contact with acids liberates toxic gas.		
10.2. Chemical stability		
Stable under normal conditions.		
10.3. Possibility of hazardous reactions		
Reacts vigorously with strong oxidizers and acids.		
10.4. Conditions to avoid		
Keep out of direct sunlight.		
10.5. Incompatible materials		
Acids. Amines. ammonia. Powdered metals. Oxidi	izing agent. Organic materials. Methanol.	
10.6. Hazardous decomposition products		
On combustion, forms: carbon oxides (CO and CO	D2). Toxic and irritating gases are released.	
SECTION 11: Toxicological information	on	
11.1. Information on toxicological effects		
Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)	
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)	
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)	
Sodium hypochlorite (7681-52-9)	0.04 - 11-1	
LD50 oral rat LD50 dermal rabbit	8.91 g/kg	
	> 10000 mg/kg	
Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 11.4 - 13	
Serious eye damage/irritation	: Causes serious eye damage.	
Senous eye damage/imation	pH: 11.4 - 13	
Respiratory or skin sensitization	: Not classified (Based on available data, the classification criteria are not met)	
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)	
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)	
Sodium hypochlorite (7681-52-9)	2. Natalassifishla	
IARC group	3 - Not classifiable	
Reproductive toxicity Specific target organ toxicity – single exposure	 Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) 	
Specific target organ toxicity – repeated exposure	: Not classified (Based on available data, the classification criteria are not met)	
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)	
Viscosity, kinematic	: No data available	
Likely routes of exposure	: Ingestion. Inhalation. Skin and eyes contact.	
Symptoms/effects after inhalation	: Inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.	
Symptoms/effects after skin contact	: Causes severe burns.	
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Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.
SECTION 12: Ecological information	
2.1. Toxicity	
Ecology - general	: This material has not been tested for environmental effects.
Sodium hypochlorite (7681-52-9)	
LC50 fish 1	0.06 - 0.11 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	0.033 - 0.044 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	4.5 - 7.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
2.2. Persistence and degradability	
lo additional information available	
2.3. Bioaccumulative potential	
No additional information available	
2.4. Mobility in soil	
lo additional information available	
2.5. Other adverse effects	
Other information	: Avoid release to the environment.
SECTION 13: Disposal consideration	ns
3.1. Disposal methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	
Department of Transportation (DOT)	
In accordance with DOT	
Transport document description	: UN1791 Hypochlorite solutions, 8, II
	: UN1791
UN-No.(DOT) Proper Shipping Name (DOT)	
Proper Shipping Name (DOT)	: Hypochlorite solutions
Proper Shipping Name (DOT) Class (DOT)	 Hypochlorite solutions 8 - Class 8 - Corrosive material 49 CFR 173.136
Proper Shipping Name (DOT) Class (DOT) Packing group (DOT)	 Hypochlorite solutions 8 - Class 8 - Corrosive material 49 CFR 173.136 II - Medium Danger
Proper Shipping Name (DOT) Class (DOT)	 Hypochlorite solutions 8 - Class 8 - Corrosive material 49 CFR 173.136
Proper Shipping Name (DOT) Class (DOT) Packing group (DOT)	 Hypochlorite solutions 8 - Class 8 - Corrosive material 49 CFR 173.136 II - Medium Danger 8 - Corrosive

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DOT Special Provisions (49 CFR 172.102)	 A7 - Steel packaging must be corrosion-resistant or have protection against corrosion. B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized. B15 - Packaging must be protected with non-metallic linings impervious to the lading or have a suitable corrosion allowance. IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). 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. IP5 - IBCs must have a device to allow venting. The inlet to the venting device must be located in the vapor space of the IBC under maximum filling conditions. N34 - Aluminum construction materials are not authorized for any part of a packaging which is normally in contact with the hazardous material. T7 - 4 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	: 154
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 1L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 30 L
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	: 26 - Stow "away from" acids
Emergency Response Guide (ERG) Number	: 154
Other information	: No supplementary information available.
Transportation of Dangerous Goods	
Transport document description	: UN1791 HYPOCHLORITE SOLUTION, 8, II
UN-No. (TDG)	: UN1791
Proper Shipping Name (Transportation of Dangerous Goods)	: HYPOCHLORITE SOLUTION
TDG Primary Hazard Classes	: 8 - Class 8 - Corrosives
Packing group	: II - Medium Danger
Explosive Limit and Limited Quantity Index	: 1L - 1
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 1L
Transport by sea	
Transport document description (IMDG) UN-No. (IMDG)	: UN 1791 HYPOCHLORITE SOLUTION, 8, II : 1791
Proper Shipping Name (IMDG)	: HYPOCHLORITE SOLUTION
Class (IMDG)	: 8 - Corrosive substances
Packing group (IMDG)	: II - substances presenting medium danger
Air transport	
Transport document description (IATA)	: UN 1791 Hypochlorite solution, 8, II
UN-No. (IATA)	: 1791
Proper Shipping Name (IATA)	: Hypochlorite solution
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Class (IATA)	: 8 - Corrosives
Packing group (IATA)	: II - Medium Danger
SECTION 15: Regulatory inf	ormation
5.1. US Federal regulations	
Sodium hypochlorite (7681-52-9	
Listed on the United States TSCA	(Toxic Substances Control Act) inventory
CERCLA RQ	100 lb
5.2. International regulations	
CANADA	
Sodium hypochlorite (7681-52-9	
Listed on the Canadian DSL (Dom	estic Substances List)
U-Regulations	
Sodium hypochlorite (7681-52-9)
Listed on the EEC inventory EINE	CS (European Inventory of Existing Commercial Chemical Substances)
National regulations	
Sodium hypochlorite (7681-52-9	
Listed on the Japanese ENCS (Ex Listed on the Japanese ISHL (Indu Listed on the Korean ECL (Existin Listed on NZIoC (New Zealand Inv Listed on PICCS (Philippines Inve	sting Chemical Substances Produced or Imported in China) kisting & New Chemical Substances) inventory ustrial Safety and Health Law) g Chemicals List) ventory of Chemicals) ntory of Chemicals and Chemical Substances) I Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

No additional information available

SECTION 16: Other information

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Full text of H-phrases:

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

SDS US (GHS HazCom 2012)

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