

# Safety Data Sheet

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## 1. IDENTIFICATION

### Product identifier

**Product Name** Cellclean Auto

### Recommended use of the chemical and restrictions on use

**Recommended Use** Diagnostic testing

### Details of the supplier of the safety data sheet

#### Manufacturer Address

Sysmex America, Inc.  
577 Aptakistic RD  
Lincolnshire, IL 60069  
Phone: (224) 543-9500

### Emergency telephone number

**Emergency Telephone** ChemTel Inc.  
(800)255-3924 (North America)  
+1 (813)248-0585 (International)

## 2. HAZARDS IDENTIFICATION

**Appearance** Colorless transparent or pale yellow liquid      **Physical state** Liquid      **Odour** Pungent

### Classification

Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1

### Label elements

#### Signal word

**Danger**

#### **Hazard statements**

Causes severe skin burns and eye damage



#### **Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapours/spray

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

Immediately call a POISON CENTRE or doctor  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTRE or doctor  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]  
Wash contaminated clothing before reuse  
IF INHALED: Remove person to fresh air and keep comfortable for breathing  
Immediately call a POISON CENTRE or doctor  
IF SWALLOWED: rinse mouth. Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Information**

Very toxic to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

Not applicable.

**Mixture**

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Sodium hypochlorite	7681-52-9	1-5	-	-

### 4. FIRST AID MEASURES

**Description of first aid measures**

<b>General advice</b>	Immediately call a poison centre or doctor/physician.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison centre or doctor/physician.
<b>Skin contact</b>	Remove/take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison centre or doctor/physician.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Causes severe skin burns and eye damage.

**Indication of any immediate medical attention and special treatment needed**

**Note to doctors** Treat symptomatically.

## 5. FIREFIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Water, chemical powder, foam, carbon dioxide extinguisher.
<b>Unsuitable extinguishing media</b>	Not determined.
<b>Specific hazards arising from the chemical</b>	Not determined.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.
<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Use personal protective equipment as required.

### Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Keep in suitable, closed containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Do not breathe dusts or mists. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Store locked up.

**Incompatible materials** Acids

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Appropriate engineering controls

Engineering controls                      Showers  
 Eyewash stations  
 Ventilation systems.

**Individual protection measures, such as personal protective equipment**

Eye/face protection                      Protective glasses or face shield.

Skin and body protection                Wear protective gloves and protective clothing.

Respiratory protection                  If necessary, refer to appropriate regulations and standards.

General hygiene considerations        Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

Physical state                              Liquid  
 Appearance                                Colorless transparent or pale yellow liquid  
 Colour                                        Colorless or yellow  
 Odour                                         Pungent  
 Odour Threshold                          Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Strong alkaline	
Melting point / freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flash point	No data available	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Liquid-Not applicable	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapour Pressure	Not determined	
Vapour Density	No data available	
Relative Density	1.07	
Water Solubility	Freely soluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	No data available	
Hyphen	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive properties	Not determined.	
Oxidising properties	Not determined.	

**Other information**

Softening Point                            Not determined  
 Molecular weight                         Not determined  
 VOC content                                No data available  
 Liquid Density                             Not determined  
 Bulk density                                Not determined

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Not reactive under normal conditions.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Conditions to Avoid</b>	Slowly decomposes on contact with air. Rate increase with the concentration and temperature. Exposure to sunlight accelerates decomposition.
<b>Incompatible materials</b>	Acids.
<b>Hazardous decomposition products</b>	Emits toxic fumes of chlorine.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye contact</b>	Avoid contact with eyes.
<b>Skin contact</b>	Avoid contact with skin.
<b>Inhalation</b>	Do not inhale.
<b>Ingestion</b>	Do not ingest.

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Please see section 4 of this SDS for symptoms.

#### Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document  
ATEmix (inhalation-dust/mist) 52.500

**Unknown acute toxicity** No information available

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium hypochlorite 7681-52-9	= 8.91 g/kg ( Rat )	> 20000 mg/kg ( Rabbit )	> 10.5 mg/L ( Rat ) 1 h

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** Causes severe skin burns.

**Serious eye damage/eye irritation** Causes severe eye damage.

**Carcinogenicity** Group 3 IARC components are "not classifiable as human carcinogens".

Chemical name	ACGIH	IARC	NTP	OSHA
Sodium hypochlorite 7681-52-9	-	Group 3	-	-

#### Legend

**IARC (International Agency for Research on Cancer)**

Group 3 IARC components are "not classifiable as human carcinogens"

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium hypochlorite 7681-52-9	-	LC50: 0.06 - 0.11mg/L (96h, Pimephales promelas) LC50: 4.5 - 7.6mg/L (96h, Pimephales promelas) LC50: 0.4 - 0.8mg/L (96h, Lepomis macrochirus) LC50: 0.28 - 1mg/L (96h, Lepomis macrochirus) LC50: 0.05 - 0.771mg/L (96h, Oncorhynchus mykiss) LC50: 0.03 - 0.19mg/L (96h, Oncorhynchus mykiss) LC50: 0.18 - 0.22mg/L (96h, Oncorhynchus mykiss)	-	EC50: 0.033 - 0.044mg/L (48h, Daphnia magna)

**Persistence/Degradability** No information available.**Bioaccumulation** No information available.**Other adverse effects** No information available.**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods****Waste from residues/unused products** Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations.**Contaminated packaging** Do not reuse empty containers.**14. TRANSPORT INFORMATION****Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances**DOT**

<b>UN/ID No</b>	UN1791
<b>Proper Shipping Name</b>	Sodium Hypochlorite Solution
<b>Transport hazard class(es)</b>	8
<b>Packing Group</b>	II

**TDG**

<b>UN/ID No</b>	UN1791
<b>Proper Shipping Name</b>	Sodium Hypochlorite Solution
<b>Transport hazard class(es)</b>	8
<b>Packing Group</b>	II

**MEX**

<b>UN/ID No</b>	UN1791
<b>Proper Shipping Name</b>	Sodium Hypochlorite Solution

Transport hazard class(es) 8  
Packing Group II

**IATA**

UN number or ID number UN1791  
Proper Shipping Name Sodium Hypochlorite Solution  
Transport hazard class(es) 8  
Packing group II

**IMDG**

UN number or ID number UN1791  
Proper Shipping Name Sodium Hypochlorite Solution  
Transport hazard class(es) 8  
Packing Group II

## 15. REGULATORY INFORMATION

**REGULATORY INFORMATION****International Regulations**

Ozone-depleting substances (ODS) Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

**International Inventories**

Chemical name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AIC
Sodium hypochlorite	X	X	X	X	X	X	X	X

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION****NFPA**  
**HMIS**Health hazards -  
Health hazards -Flammability -  
Flammability -Instability -  
Physical hazards -Special hazards -  
Personal Protection Not  
determined**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA TWA (time-weighted average)  
STEL STEL (Short Term Exposure Limit)  
Ceiling Maximum limit value  
\* Skin designation

**Revision Note:** New format.**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**