

# PIERCEMED

ISOTONIC STERILE SALINE SOLUTION

## **MATERIAL SAFETY DATA SHEET**

VERSION 1.0

EFFECTIVE DATE 28 MARCH 2023

### NOTICE

Prior to use, it is strongly advised that individuals conduct their own comprehensive COSHH (Control of Substances Hazardous to Health) assessment to ensure adherence to specific safety measures and guidelines as per their unique working environment and potential interaction with other substances or materials.

## SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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### PRODUCT IDENTIFIER

PRODUCT NAME	:	ISOTONIC STERILE SALINE SOLUTION
RECOMMENDED USE	:	WOUND CLEANER FOR NEW & UNHEALED COSMETIC PIERCINGS
CAS NUMBER	:	SEE SECTION 3

### COMPANY DETAILS

SUPPLIER ADDRESS	CONTACT DETAILS
PIERCEMED PO BOX 11129 LEICESTER LE19 9EA UNITED KINGDOM	PIERCEMED PO BOX 11129 LEICESTER LE19 9EA UNITED KINGDOM  EMAIL: <a href="mailto:INFO@PIERCEMED.CO.UK">INFO@PIERCEMED.CO.UK</a>

### EMERGENCY PHONE NUMBER

IN AN EMERGENCY DIAL	:	999 (United Kingdom) or 112 (Pan-European)
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## SECTION 2: HAZARD IDENTIFICATION

### HAZARD CLASSIFICATION

In accordance with Regulatory Globally Harmonized System of Classification of Chemicals (GHS) and GB 300000-2013, the product is divided up into the following hazard categories.

PHYSICAL HAZARD	:	NOT APPLICABLE
HEALTH HAZARD	:	NOT CLASSIFIED AS A HEALTH HAZARD
ENVIRONMENTAL HAZARD	:	NOT CLASSIFIED AS AN ENVIRONMENTAL HAZARD
HAZARD PICTOGRAM	:	/
SIGNAL WORD	:	NOT APPLICABLE
HAZARD STATEMENT	:	MAY CAUSE IRRITATION TO EYES AND SKIN UPON CONTACT. AVOID EYES AND SKIN CONTACT. INCASE OF CONTACT, RINSE THOROUGHLY WITH WATER. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT WHEN HANDLING
PRECAUTIONARY STATEMENTS - PREVENTION	:	READ INSTRUCTIONS BEFORE USE. AVOID SPRAYING INTO EYES. AVOID INHALATION. DO NOT USE IF CONTAINER IS DAMAGED. DO NOT MIX WITH OTHER FLUIDS. DO NOT PUNCTURE OR INCINERATE
PRECAUTIONARY STATEMENTS - RESPONSE	:	IF IRRITAION OCCURS AND/OR PERSISTS, SEEK PROFESSIONAL MEDICAL ADVICE
PRECAUTIONARY STATEMENTS - STORAGE	:	KEEP OUT OF SIGHT AND REACH OF CHILDREN. REPLACE CAP/LID AFTER EACH APPLICATION. DO NOT FREEZE. DO NOT STORE ABOVE 60 DEGREES CELCIUS. KEEP OUT OF DIRECT SUNLIGHT
PRECAUTIONARY STATEMENTS – DISPOSAL	:	DISPOSE WASTE IN APPROVED WASTE DISPOSAL FACILITY

**OTHER CONSIDERATIONS**

This product does not contain substances that, at the concentrations used, are considered hazardous to health.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

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CHEMICAL NAME	MOLECULAR FORMULA	PERCENT OF CONTENT	CAS NO.
SODIUM CHLORIDE	NaCl	0.9	7647-14-5
PURIFIED WATER	H <sub>2</sub> O	99.1	7732-18-5

**OTHER HAZARDOUS INGREDIENTS**

No known hazardous ingredients present.

**SECTION 4: FIRST AID MEASURES**

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SKIN CONTACT	:	IN CASE OF IRRITATION, RINSE SKIN UNDER RUNNING WATER FOR SEVERAL MINUTES. IF IRRITATION PERSISTS, SEEK PROFESSIONAL MEDICAL ADVICE
EYE CONTACT	:	IN CASE OF IRRITATION, RINSE EYES UNDER RUNNING WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES IF APPLICABLE AND IF POSSIBLE, THEN CONTINUE TO RINSE FOR SEVERAL MINUTES. IF IRRITATION PERSISTS, SEEK PROFESSIONAL MEDICAL ADVICE

<p>INHILATION</p>	<p>:</p>	<p>IN CASE OF INHILATION, QUICKLY MOVE TO FRESH AIR. IF BREATHING HAS STOPPED, PROVIDE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, PROVIDE OXYGEN AND SEEK PROFESSIONAL MEDICAL ADVICE IMMEDIATELY</p>
<p>INGETSION</p>	<p>:</p>	<p>DO NOT PROVIDE ANYTHING BY MOUTH IF PERSON IS UNCONCIOUS. IF CONCIOUS, RINSE MOUTH WITH RUNNING WATER FOR SEVERAL MINUTES. DO NOT INDUCE VOMITING UNLESS RECOMMENDED BY A MEDICAL PROFESSIONAL. IF LARGE QUANTITIES HAVE BEEN INGESTED OR SYMPTOMS START TO APPEAR, SEEK PROFESSIONAL MEDICAL ADVICE IMMEDIATELY</p>

**MOST IMPORTANT SYMPTOMS AND EFFECT, BOTH ACUTE AND DELAYED**

No further relevant information available.

**INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

No further relevant information available.

**SECTION 5: FIRE FIGHTING MEASURES**

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<p>SUITABLE FIRE EXTINGUISHING MEDIA</p>	<p>:</p>	<p>UTILISE EXTINGUISHMENT METHODS SUITABLE FOR THE SPECIFIC LOCAL CONDITIONS AND SURROUNDING ENVIRONMENT</p>
<p>UNSUITABLE FIRE EXTINGUISHING MEDIA</p>	<p>:</p>	<p>NO DATA AVAILABLE</p>
<p>COMBUSTION HAZARD DATA</p>	<p>:</p>	<p>NONE. NO AEROSOL OR BUTANE PRESENT</p>
<p>SPECIFIC HAZARDS</p>	<p>:</p>	<p>NO DATA AVAILABLE</p>
<p>FIRE FIGHTERS SPECIAL PROTECTIVE EQUIPMENT</p>	<p>:</p>	<p>FULL PROTECTIVE SUIT AND SELF CONTAINED BREATHING APPERATUS</p>

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES	:	ENSURE THAT ALL PERSONELL INVOLVED IN THE CLEANUP ARE EQUIPPED WITH APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE), AS OUTLINED IN SECTION 8. EVACUATE AND ISOLATE THE AFFECTED AREA IF THERE IS ANY POTENTIAL RISK TO HEALTH
ENVIRONMENTAL PRECAUTIONS	:	AVOID DIRECT RELEASE INTO NATURAL WATER SOURCES OR SOIL. CONTAIN AND COLLECT THE SPILLED SOLUTION USING SUITABLE MATERIALS TO PREVENT IT FROM ENTERING DRAINAGE SYSTEMS
CLEAN UP PROCEEDURE	:	ABSORB THE SPILLED SOLUTION USING INERT ABSORBANT MATERIALS (E.G., VERICULITE, SAND, OR A SPILL REPOSE KIT). PLACE THE CONTAMINATED MATERIALS IN APPROPRIATE CONTAINERS FOR DISPOSAL IN ACCORDANCE WITH LOCAL REGULATIONS. RINSE THE AFFECTED AREA WITH WATER TO DILUTE AND REMOVE ANY RESIDUAL

### OTHER CONSIDERATIONS

Isotonic saline solution is generally considered safe for the environment. However, avoid direct release into natural water sources or soil, as excessive salinity may harm aquatic life and plants.

## **SECTION 7: HANDLING AND STORAGE**

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HANDLING	:	ENSURE THAT PACKAGING IS IN GOOD CONDITION AND PROPERLY LABELLED. DO NOT ALLOW THE PRODUCT TO COME INTO CONTACT WITH MATERIALS THAT MAY REACT WITH THE SOLUTION, SUCH AS STRONG ACIDS. REPLACE CAP/LID AFTER USE. WASH HANDS THOROUGHLY BEFORE AND AFTER HANDLING THE SOLUTION. AVOID TOUCHING FACE, EYES, OR MOUTH WHILE WORKING WITH THE PRODUCT. WHEN DISPENSING, USE APPROPRIATE EQUIPMENT TO PREVENT SPILLAGES OR SPLASHES. KEEP AWAY FROM CHILDREN
STORAGE	:	STORE IN A COOL, WELL-VENTILATED AREA, AWAY FROM DIRECT SUNLIGHT, HEAT SOURCES, AND INCOMPATIBLE MATERIALS. KEEP CONTAINERS TIGHTLY SEALED TO PREVENT CONTAMINATION AND EVAPORATION. PROVIDE SECONDARY CONTAINMENT, SUCH AS SPILL TRAYS, IN CASE OF CONTAINER LEAKS OR SPILLS. REGULARLY INSPECT STORAGE CONDITIONS AND CONTAINERS TO ENSURE THEY REMAIN IN COMPLIANCE WITH SAFETY AND ENVIRONMENTAL REGULATIONS

### **OTHER CONSIDERATIONS**

Always refer to the product's safety data sheet (SDS) and label for specific information on handling and storage.

Familiarise yourself with emergency procedures and the location of safety equipment, such as eyewash stations and emergency showers, in your work area.

Proper handling and storage of Isotonic Saline Solution is essential to maintain the product's quality and safety. Ensure that all personnel are trained in these handling and storage guidelines.

**SECTION 8: EXPOSURE  
CONTROLS/PERSONAL PROTECTION**

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OCCUPATIONAL EXPOSURE LIMITS	:	THIS PRODUCT IS FREE FROM ANY HAZARDOUS MATERIALS FOR WHICH REGION-SPECIFIC REGULATORY BODIES HAVE ESTABLISHED OCCUPATIONAL EXPOSURE LIMITS
ENGINEERING CONTROLS	:	USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP AIRBORNE CONCENTRATIONS BELOW THE PERMISSIBLE EXPOSURE LIMITS. SHOWERS. EYEWASH STATIONS.
INDIVIDUAL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT	:	SAFETY GOGGLES WITH SIDE SHIELDS OR A FULL FACE SHIELD TO PROTECT EYES FROM SPLASHES. CHEMICAL-RESISTANT GLOVES TO PREVENT SKIN CONTACT. LAB COAT OR PROTECTIVE CLOTHING TO COVER SKIN. LAB APRON MAY BE USED FOR ADDITIONAL PROTECTION
RESPIRATORY PROTECTION	:	NONE REQUIRED UNDER NORMAL USAGE. IF THE VAPOUR CONCENTRATION EXCEEDS THE LOCALLY ADVISED LIMIT THEN WEAR A SELF CONTAINED BREATHING APPERATUS
EYES PROTECTION	:	SAFETY GOGGLES WITH SIDE SHIELDS OR A FULL FACE SHIELD
BODY PROTECTION	:	LAB COAT OR PROTECTIVE CLOTHING TO COVER SKIN. LAB APRON MAY BE USED FOR ADDITIONAL PROTECTION
HANDS PROTECTION	:	FOR PROLONGED CONTACT WEAR CHEMICAL-RESISTANT GLOVES TO PREVENT SKIN CONTACT.

**OTHER CONSIDERATIONS**

Always adhere to industry standards, safety practices and good hygiene, including showering and changing clothing after work.

**SECTION 9: PHYSICAL AND CHEMICAL  
PROPERTIES**

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APPEARANCE	:	LIQUID
COLOUR	:	CLEAR
ODOUR	:	NONE
DENSITY	:	1G/CM2
PH	:	6.5 ~ 8.5
FLASHING POINT	:	NO DATA AVAILABLE
BOILING POINT	:	100 DEGREES CELCIUS
MELTING POINT	:	0 DEGREES CELCIUS
RELATIVE DENSITY	:	NO DATA AVAILABLE
SOLUBILITY	:	SOLUBLE IN WATER

**SECTION 10: STABILITY AND REACTIVITY**

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REACTIVITY	:	NO DATA AVAILABLE
STABILITY	:	STABLE UNDER NORMAL TEMPERATURE AND PRESSURE
MATERIALS TO AVOID	:	STRONG OXIDISING. STRONG ACIDS
CONDITIONS TO AVOID	:	HIGH TEMPERATURE. FREEZING. DIRECT SUNLIGHT
HAZARDOUS POLYMERISATION	:	NONE
HAZARDOUS DECOMPOSITION PRODUCTS	:	NONE

**SECTION 11: TOXICOLOGICAL  
INFORMATION**

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COMPONENT	CAS NO.	ORAL LD50	INHILATION LC50(4H)	DERMAL LD50
SODIUM CHLORIDE	7647-14-5	3 980 MG/KG (RAT)	NO DATA AVAILABLE	NO DATA AVAILABLE

SKIN CORROSION/IRRITATION	:	NO DATA AVAILABLE
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SERIOUS EYE DAMAGE/EYE IRRITATION	:	NO DATA AVAILABLE
RESPIRATORY OR SKIN SENSITISATION	:	NO DATA AVAILABLE
GERM CELL MUTAGENICITY	:	NO DATA AVAILABLE

**CARCINOGENICITY**

COMPONENT	CAS NO.	IARC	NTP
SODIUM CHLORIDE	7647-14-5	NOT LISTED	NOT LISTED
PURIFIED WATER	7732-18-5	NOT LISTED	NOT LISTED

REPRODUCTIVE TOXITY	:	NO DATA AVAILABLE
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE	:	NO DATA AVAILABLE
SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE	:	NO DATA AVAILABLE
ASPIRATIONAL HAZARD	:	NO DATA AVAILABLE
ADDITIONAL INFORMATION	:	NO DATA AVAILABLE

**SECTION 12: ECOLOGICAL INFORMATION**

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**ACUTE AQUATIC TOXICITY**

COMPONENT	CAS NO.	TOXICITY TO FISH	TOXICITY TO AQUATIC INVERTABRATES	TOXICITY TO AQUATIC ALGAE
SODIUM CHLORIDE	7647-14-5	LC50 (96h) 5.84 G/L	LC50 (48h) 4.136 G/L	EC50 (5 DAYS) 2.43 G/L

**CHRONIC AQUATIC TOXICITY**

COMPONENT	CAS NO.	TOXICITY TO FISH	TOXICITY TO AQUATIC INVERTABRATES	TOXICITY TO AQUATIC ALGAE
SODIUM CHLORIDE	7647-14-5	NOEC (33 DAYS) 252 – 533 MG/L	NOEC (21 DAYS) 314 MG/L	NO DATA AVAILABLE

**PERSISTANCE AND BIODEGRADABLE**

COMPONENT	CAS NO.	PERSISTANCE IN WATER/SOIL	PERSISTANCE IN AIR
SODIUM CHLORIDE	7647-14-5	NO DATA AVAILABLE	NO DATA AVAILABLE

BIOCONCENTRATION OR BIOLOGICAL ACCUMALATION	:	NO DATA AVAILABLE
MOBILITY IN SOIL	:	NO DATA AVAILABLE

PBT AND vPvB ASSESSMENT	:	THIS SUBSTANCE/MIXTURE CONTAINS NO COMPONENTS CONSIDERED TO BE EITHER PERSISTANT, BIOACCUMULATIVE AND TOXIC (PBT), OR VERY PERSISTANT AND VERY BIOACCUMULATIVE (vPvB) AT LEVELS OF 0.1% OR HIGHER
OTHER HARMFUL EFFECTS	:	NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS

## **SECTION 13: DISPOSAL CONSIDERATIONS**

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WASTE DISPOSAL METHODS	:	PLEASE REFER TO NATIONAL AND LOCAL LAWS AND REGULATIONS BEFORE DISPOSAL. THE SUPPLIED MATERIAL IS NOT INITIALLY CONSIDERED HAZARDOUS WASTE. HOWEVER, IT MAY BECOME HAZARDOUS IF MIXED WITH, EXPOSED TO, OR CHEMICALLY MODIFIED BY HAZARDOUS WASTE, OR IF SUBJECTED TO PROCESSING OR ALTERATIONS.
OTHER CONSIDERATIONS	:	AVOID DIRECT RELEASE INTO NATURAL WATER SOURCES OR SOIL.

**SECTION 14: TRANSPORT INFORMATION**

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Ensure product transportation aligns with ADR regulations for road, RID regulations for rail, IMDG regulations for sea, and ICAO/IATA regulations for air transport (ADR 2007, IMDG 2006, ICAO/IATA 2007).

IMDG CLASS	:	NOT REGULATED AS DANGEROUS GOODS
DOT	:	NOT REGULATED AS DANGEROUS GOODS
UN NUMBER	:	NOT SUBJECT TO TRANSPORT REGULATIONS
EMS-NO.	:	F-D, S-D
PACKAGING GROUP	:	NONE ASSIGNED
PROPER SHIPPING NAME	:	NOT APPLICABLE

**OTHER CONSIDERATIONS**

Isotonic Saline Solution is typically considered non-hazardous for transportation purposes. However, it is important to comply with relevant regulations and guidelines for the safe transport of the product.

Clearly label shipping containers with the product name, concentration, and any relevant safety information, including hazard pictograms if applicable.

Ensure that Isotonic Saline Solution containers are properly secured during transportation to prevent shifting, falling, or damage.

Isolate Isotonic Saline Solution from incompatible materials or hazardous substances during transport.

In the event of a spill or incident during transportation, follow the procedures outlined in the "Accidental Release Measures" section (Section 6) of this MSDS.

Transportation of Isotonic Saline Solution should be conducted in compliance with all relevant regulations and safety measures to ensure the safe and secure transit of the product.

**SECTION 15: REGULATORY INFORMATION**

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COMPONENT	CAS NO.	TSCA	DSL	NDSL
SODIUM CHLORIDE	7647-14-5	LISTED	LISTED	NOT LISTED
PURIFIED WATER	7732-18-5	LISTED	LISTED	NOT LISTED

GB 30000-2013 RULES FOR CLASSIFICATION AND LABELLING OF CHEMICALS

GB/T 17519-2013 GUIDELINES ON COMPILATION OF SAFETY DATA SHEET FOR CHEMICALS

GB/T 16483-2008 SAFETY DATA SHEET FOR CHEMICAL PRODUCT-CONTENT AND ORDER OF SECTIONS

HAZARDOUS CHEMICALS CATALOG (2015)	:	NOT LISTED
LIST OF KEY REGULATED HAZARDOUS CHEMICALS	:	NOT LISTED
EXPLOSIVES DANGEROUS CHEMICALS LIST	:	NOT LISTED
HIGH POISON INVENTORY	:	NOT LISTED

**SECTION 16: OTHER INFORMATION**

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We don't have any information about the exact working conditions of users. The information contained in this Material Safety Data Sheet (MSDS) is based on our existing knowledge and is in conformity with the applicable legislation at both the national and local levels. To guarantee the safe handling of the product, users must examine their specific work settings and practices.

\*\*\* END OF REPORT \*\*\*