

1. Identification

Product identifier Xylocaine Solution for Injection

Other means of identification None.

Recommended use Local anaesthetic solution for use in infiltration anaesthesia, peripheral and central nerve blocks.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company name Aspen Global Incorporated

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Grand Bay, Mauritius

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2. Hazard identification

Physical hazards Not classified.

Health hazards Acute toxicity, oral Category 4

Environmental hazards Not classified.

Label elements



Signal word Warning

Hazard statement Harmful if swallowed.

Precautionary statements

Prevention Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

Response IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. Rinse mouth.

Storage Store away from incompatible materials.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Lidocaine hydrochloride monohydrate	6108-05-0	1 - < 10

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. Components not listed are either non-hazardous or are below reportable limits. The exact concentrations of the above listed chemicals are being withheld as a trade secret.

4. First-aid measures

Inhalation Remove victim from source of exposure. Get medical attention for any breathing difficulty.

Skin contact	Wash skin with soap and water. Remove contaminated clothing and shoes. If skin irritation or rash occurs: Get medical advice/attention. For minor skin contact, avoid spreading material on unaffected skin.
Eye contact	Flush thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting without advice from medical personnel. Get medical attention.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation. May produce a reduced heart rate and reduction in blood pressure with a resulting feeling of dizziness.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Water spray. Foam. Dry powder. Carbon dioxide.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Do not handle until all safety precautions have been read and understood. Observe good industrial hygiene practices. Do not taste or swallow. When using, do not eat, drink or smoke. Avoid contact with skin and eyes. Wash thoroughly after handling.
Conditions for safe storage, including any incompatibilities	Store in a closed container. Keep out of the reach of children. Store under well-ventilated conditions at a temperature below 25°C. Protect from light. Do not freeze.

8. Exposure controls/personal protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Exposure guidelines	No exposure standards allocated.
Appropriate engineering controls	Select controls based on a risk assessment of local circumstances. Engineering controls should be used as the primary means to control possible exposures.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Risk of contact: Wear safety glasses with side shields (or goggles).

Skin protection	
Hand protection	Wear protective gloves. Suitable gloves can be recommended by the glove supplier. Frequent change is advisable.
Other	Wear suitable protective clothing.
Respiratory protection	When isolation is not possible, respiratory protective equipment (RPE) should be combined with applicable protective equipment. Selection and use of respiratory protective equipment should be in accordance with CSA Standard Z94.4.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Aqueous solution.
Colour	Clear.
Odour	Odourless.
Odour threshold	Not available.
pH	6.5
Melting point/freezing point	Not available.
Initial boiling point and boiling range	100 °C (212 °F) (Approximately)
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapour pressure	17 mm Hg (20 °C)
Vapour density	0.6
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Soluble in water.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	1.00 g/cm ³ (Approximately)
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Exposure to light. Do not freeze.
Incompatible materials	None known.

Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation May be harmful if inhaled.
Skin contact May cause skin irritation.
Eye contact May cause eye irritation on direct contact.
Ingestion Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation. May produce a reduced heart rate and reduction in blood pressure with a resulting feeling of dizziness.

Information on toxicological effects

Acute toxicity Harmful if swallowed.

Components	Species	Test Results
Lidocaine hydrochloride monohydrate (CAS 6108-05-0)		
Oral		
LD50	Rat	159 - 773 mg/kg
Skin corrosion/irritation	Not classified.	
Serious eye damage/eye irritation	Not classified.	
Respiratory or skin sensitisation		
Respiratory sensitisation	Not classified.	
Skin sensitisation	The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.	
Germ cell mutagenicity	Not classified.	
Carcinogenicity	Not classified.	
Reproductive toxicity	Not classified.	
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not an aspiration hazard.	
Further information	Prolonged exposure may cause chronic effects.	

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results	
Lidocaine hydrochloride monohydrate (CAS 6108-05-0)			
Aquatic			
Acute			
Algae	EC50	Green algae	780 mg/l, 72 hours OECD Test Guideline 201
Crustacea	EC50	Daphnia magna	112 mg/l, 48 hours OECD Test Guideline 202
Fish	LC50	Zebrafish (Danio rerio)	106 mg/l, 96 hours OECD Test Guideline 203

Persistence and degradability The product is not expected to be readily biodegradable.

Hydrolysis

Half-Life (Hydrolysis)

Xylocaine Solution for Injection < 24 hours, Measured

Bioaccumulative potential Potential to bioaccumulate is low.

Mobility in soil This product is water soluble and may disperse in soil.

Other adverse effects None known.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

TDG

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

Canadian regulations This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Controlled Drugs and Substances Act

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

International regulations

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto Protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

16. Other information

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Version No. 01

List of abbreviations EC50: Effective Concentration 50%.
LD50: Lethal Dose 50%.
LC50: Lethal Concentration 50%.

References Supplier's SDS

Disclaimer

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