

REVISION DATE: 27.07.2010



SAFETY DATA SHEET

Everchlor Industrial / Agricultural/ Hispec

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	Everchlor Industrial / Agricultural/ Hispec
SUPPLIER	Univar Aquarius House 6 Midpoint Business Park Thornbury Bradford BD3 7AY +44 1274 267300 +44 1274 267306 sds@univareurope.com
SYNONYMS, TRADE NAMES	Sodium Hypochlorite
APPLICATION	Disinfectant Chemical Intermediate
Emergency Contact Number (Office Hours)	+44 1274 267346
Emergency Contact Number (Outside Office Hours)	+441865 407333
SDS No.	10011

2 HAZARDS IDENTIFICATION

Contact with acids liberates toxic gas. Very toxic to aquatic organisms. Causes burns.

CLASSIFICATION (1999/45) C;R34. N;R50. R31.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE	231-668-3	7681-52-9	1-5%	C;R34 R31 N;R50

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Remove victim immediately from source of exposure. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention immediately!

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

REVISION DATE: 27.07.2010

Everchlor Industrial / Agricultural/ Hispec

5 FIRE-FIGHTING MEASURES**EXTINGUISHING MEDIA**

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

SPECIFIC HAZARDS

Chlorine. Oxygen.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Do not allow ANY environmental contamination. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

DO NOT TOUCH SPILLED MATERIAL! Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact. Avoid inhalation of vapours and spray mists. Provide good ventilation.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place. Keep in original container. Protect from light, including direct sunrays. Store separated from: Acids.

STORAGE CLASS

Corrosive storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**INGREDIENT COMMENTS**

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT**PROCESS CONDITIONS**

Provide eyewash, quick drench.

ENGINEERING MEASURES

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided. Use cartridge respirator Type B P3

HAND PROTECTION

Use suitable protective gloves if risk of skin contact. Use protective gloves made of: Butyl rubber. Nitrile. Neoprene. Polyvinyl chloride (PVC). Rubber (natural, latex).

EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

REVISION DATE: 27.07.2010

Everchlor Industrial / Agricultural/ Hispec

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Varying		
ODOUR	Chlorine.		
SOLUBILITY	Completely soluble in water		
BOILING POINT (°C)	>100	MELTING POINT (°C)	-17
RELATIVE DENSITY	1.20 - 1.27	pH-VALUE, CONC. SOLUTION	>11

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time. Avoid contact with acids.

MATERIALS TO AVOID

Strong acids. Ammonia or amines. Hydrocarbons. Methanol.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Chlorine.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 8910 mg/kg (oral rat)

INHALATION

May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

INGESTION

May cause burns in mucous membranes, throat, oesophagus and stomach.

SKIN CONTACT

May cause serious chemical burns to the skin.

EYE CONTACT

Causes burns.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product contains a substance which is very toxic to aquatic organisms.

LC 50, 96 Hrs, FISH mg/l 0.01-0.1

EC 50, 48 Hrs, DAPHNIA, mg/l 0.01-0.1

MOBILITY

The product is soluble in water.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Do not puncture or incinerate even when empty.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

REVISION DATE: 27.07.2010

Everchlor Industrial / Agricultural/ Hispec



UK ROAD CLASS	8		
PROPER SHIPPING NAME	HYPOCHLORITE SOLUTION		
UN NO. ROAD	1791	UK ROAD PACK GR.	II
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	II	TUNNEL RESTRICTION CODE	(E)
HAZARD No. (ADR)	80	ADR LABEL NO.	8
HAZCHEM CODE	2X	CEFIC TEC(R) NO.	80GC9-II+III
RID CLASS NO.	8	RID PACK GROUP	II
UN NO. SEA	1791	IMDG CLASS	8
IMDG PACK GR.	II	EMS	F-A, S-B
MARINE POLLUTANT	No.	UN NO. AIR	1791
AIR CLASS	8	AIR PACK GR.	II

15 REGULATORY INFORMATION

LABELLING



Corrosive



Dangerous for the environment

RISK PHRASES

R31	Contact with acids liberates toxic gas.
R50	Very toxic to aquatic organisms.
R34	Causes burns.

SAFETY PHRASES

S14	Keep away from acids, bases, reducing substances and heavy metals.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S57	Use appropriate containment to avoid environmental contamination.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EC.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

16 OTHER INFORMATION

REVISION DATE: 27.07.2010

Everchlor Industrial / Agricultural/ Hispec

REVISION DATE 27.07.2010

REV. NO./REPL. SDS 01

GENERATED

SDS NO. 10011

SAFETY DATA SHEET STATUS

Approved.

DATE 27.07.2010

SIGNATURE Jitendra Panchal

RISK PHRASES IN FULL

R34 Causes burns.

R31 Contact with acids liberates toxic gas.

R50 Very toxic to aquatic organisms.