



MATERIAL SAFETY DATA SHEET

CHLOROPRENE CR 115

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product name: Chloroprene CR 115
Intended Use: Polymer for adhesives
Supplier: Castle Chemicals Ltd, Peak House
6 Oxford Road, Altrincham, Cheshire WA14 2DY
Tel: +44 161 608 8800 Fax: +44 161 608 1910
Email: Info@castlechemicals.com

2. HAZARD IDENTIFICATION

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

See section 11 and 12 for more detailed information on health and ecological effects.

3. COMPOSITION INFORMATION ON INGREDIENTS

Dangerous components	Conc (%)	EC No.	CAS No.	Classification
				DSD
Poly(2-chloro-1,3-butadiene)	> 60	-b	25067-95-2	None
REACH No.	Monomer, 2-Chloro-1,3-butadiene ,is REACH registered.			
Water	< 40	231-791-2	7732-18-5	None
Diethanolamine	< 0.5	203-868-0	111-42-2	Xn;R22-48/22, Xi;R38-41

CLP for Diethanolamine

Acute Tox.4 H302

STOT RE2 H373

Skin Irrit.2 H315

Eye Dam.1 b H318

4. FIRST AID MEASURES

Inhalation	If vapour from heated product is inhaled, immediately move the person to fresh air, keep him/her warm and at rest, and obtain medical attention if necessary. If the person vomits, turn his/her face sideways to prevent choking and suffocation.
Skin contact	Wash thoroughly with plenty of water and soap. For signs of irritation, obtain medical attention.
Eye contact	Immediately flush eyes with clean running water for at least 15 minutes, and obtain medical attention. During washing, pull the eyelids away from the eyeballs to thoroughly wash every part of the eyes.
Ingestion	Thoroughly wash out the mouth with water, and immediately obtain medical attention. If possible, make patient drink plenty of water. Do not induce vomiting unless instructed by medical personnel.
Recommended facilities	Install facilities near the storage area for safety showers, washing hands and rinsing eyes. Indicate these locations clearly.

5. FIREFIGHTING MEASURES

Fire and explosive properties	The substance is not flammable, but may burn if involved in a fire.
Extinguishing media	Water spray, foam, carbon dioxide, dry chemicals.
Specific hazards with regard to fire-fighting measures	The product is decomposed by combustion and heat, and may generate poisonous smoke, and gases such as hydrogen chloride gas and aldehydes.
Specific methods of fire-fighting and special equipment	Remain upwind during firefighting to prevent exposure to poisonous gases. Keep restricted personnel out of the area of the fire, and evacuate them to a safe area.
Protection of firefighters	Wear respiratory protective equipment to guard against poisonous gases that may be generated by combustion or heat.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	For larger spills wear personal protective equipment suited to the situation (see Section 8 for advice).
Environmental precautions	Do not allow the product to enter rivers or drains.
Methods for cleaning up	If the spill is small, it can be contained using sawdust, an oil mat, or absorbent materials. For larger spills, collect the spilled product by pumping, or absorption onto an inert material and sweeping. Store the collected product in a suitably labelled container. Wash contaminated area with water and detergent,

collecting the washings for disposal.
Follow prescribed procedures for responding to large spills and reporting to appropriate authorities.

7. HANDLING AND STORAGE

Precautions	Wear adequate protective equipment to prevent inhalation and exposure of eyes, skin, and clothing. After handling the product, thoroughly wash hands and face. The product must be handled in well-ventilated areas. Exercise care to prevent spilling the solution .
Appropriate storage conditions	Store in a well-ventilated, cool, dark place. Do not expose to heat, moisture, or direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures to reduce exposure	Use only in a closed system or provide local exhaust ventilation.
Exposure guidelines	
EU IOELV	None
UK WEL (2005)	None
Personal protective equipment	
Respiratory protection	If exposure to vapour is possible (eg from heat-treatment of the product), wear a respirator against organic vapours.
Hand protection	Gloves (eg rubber, neoprene, PVC).
Eye protection	Safety glasses (with side shields), protective goggles, or protective mask, as circumstances demand
Skin and body protection	Protective clothing, apron, and boots, as circumstances demand

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	Opaque white
Odor	Has a slight, characteristic odor
pH	6 – 7.5(25°C) The pH may be decreased by exposure to air and heat and by some storage conditions.
Boiling point	Approx. 100°C
Melting point	Approx. 0°C
Flash point	No data available
Auto-ignition temperature	No data available
Explosion properties	No data available
Vapor pressure	Almost equivalent to water (24 mmHg at 25 °C).
Vapor density	No data
Specific gravity	1.12 (20°C)
Solubility in Water	Completely miscible

10. STABILITY AND REACTIVITY

Stability	Stable when stored in a cool, dark place not exposed to moisture or direct sunlight. Exposure to ultraviolet light may cause discolouration.
Reactivity	Prevent exposure to oxidants. Neutralisation with acids may generate heat.
Hazardous decomposition products	Although the product is stable, it may generate hazardous decomposition products on heating such as hydrogen chloride and aldehydes.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	No data available on the product .Diethanolamine: Oral LD50 (rabbit) 2200 mg/kg Dermal LD50 (rabbit) 12200 mg/kg
Corrosion/Irritation (skin,eyes etc.)	Rabbit (0.5mL, 4hr, patch): non-irritating to skin in this product. (EC method B.4.(2004/73/EC) and OECD 404) 1) Rabbit (0.1mL): non-irritating to eye in this product. (EC method B.5.(2004/73/EC) and OECD 405) 1)
Sensitisation	No data available
Mutagenicity	No data available
Repeated dose toxicity	No data available
Carcinogenicity	No data available
Toxicity for reproduction	No data available

12. ECOLOGICAL INFORMATION

Persistence/degradability	The product is a water-dispersed polymer and is expected to persist in the environment.
Mobility	The product consists mainly of an inert solid polymer that is not mobile in the environment. However, minor components may leach from the polymer and dissipate in the environment.
Bioaccumulation	No data available.
Eco-toxicity	No data available on the product

13. DISPOSAL CONSIDERATIONS

In the case the product is incinerated, take precautionary measures against combustion gases that may contain poisonous gases (eg., hydrogen chloride gas).

If disposal of the product is commissioned, select a waste-disposal contractor authorized by local or national government.

If empty containers are disposed of, thoroughly remove their contents.

Disposal must be in accordance with current national and local regulations. Chemical residues generally count as special waste, and their disposal may be regulated in the EC member countries through corresponding laws and regulations. General EU requirements are given in the Waste Framework Directive (75/442/EEC) and the Hazardous Waste Directive (91/689/EEC).

EU waste code suggestion: 07 02: wastes from the manufacture, formulation, supply and use of plastics, synthetic rubber and man-made fibres.

14. TRANSPORT INFORMATION

International regulations for transport	Not classified as dangerous goods for transport.
UN hazard class	Not applicable
Additional regulations	Not applicable
Specific precautionary transport measures and conditions	When transporting the product, inspect the containers for leakage and load them securely to prevent toppling, falling, or breakage, and take preventive measures against collapsing of containers.

15. REGULATORY INFORMATION

Laws and regulations applied in EU
Classification and labelling according to EC Directives.

16. OTHER INFORMATION

Revisions	This SDS has been revised and re-formatted for compliance with EU Directives, particularly the addition of EU classification and labelling, and regulatory references. The product has been classified according to the conventional method in 1999/45/EEC from the classifications of ingredients. Ingredients have been classified according to Annex 1 of 67/548/EEC, or self-classified on the basis of the test results and other available information.
Text of R-phrase mentioned in Section 3	R22: Harmful if swallowed. R38: Irritating to skin. R41: Risk of serious damage to eyes. R48/22: Harmful: danger of serious damage to health by prolonged exposure if swallowed.

Text of H-phrase
mentioned in
Section 3

H302 : Harmful if swallowed
H373 : May cause damage to organs through prolonged or
repeated exposure
H315 : Causes skin irritation
H318 : Causes serious eye damage

References
Applicability

1) Company document (2010, GLP)
This MSDS applies to SHOWA DENKO CHLOROPRENE 115.

The information in this MSDS was obtained from sources which we believe are reliable, but no warranty or representation as to its accuracy or completeness is hereby given. Users should consider the information herein only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal, the safety and health of employees and customers and the protection of the environment.

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