



MATERIAL SAFETY DATA SHEET

Chloroprene AD

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name: Chloroprene AD
Use: Rubber products
Supplier: Castle Chemicals Ltd, Peak House
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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

Ingredients name	%	EC No.	CAS No.	Classification DSD CLP	REACH No.
Polychloroprene	> 90	- a	9010-98-4	None None	Monomer, 2-Chloro-1,3-butadiene, is REACH registered.
Talc	< 1	238-877-9	14807-96-6	None None	-

a EC number not available for polymers.

4. FIRST AID MEASURES

Inhalation: If breathed, 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 suffocation.

Skin contact: Wash thoroughly with plenty of water and soap. If there is irritation, obtain medical attention. If molten polymer product adheres to the skin, cool the affected area in cold water. Do

not use force to remove the polymer from the skin. 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.

Special hazards arising from substance or mixture The product is decomposed by combustion and heat, and may generate poisonous gases such as hydrogen chloride gas and aldehydes.

Specific methods of fire-fighting and special equipment Remain upwind during firefighting to prevent exposure to toxic gases. Keep restricted personnel out of the area of the fire, and evacuate them to a safe area.

Advice for firefighters Wear respiratory protective equipment to guard against poisonous gases that may be generated by combustion or heat.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Note that the product may pose a slip hazard if spilled. Wear adequate protective equipment during cleanup, and use equipment and tools that will not generate sparks due to shocks or static electricity.

Environmental precautions Do not allow the product to enter rivers or drains.
Methods for cleaning up Promptly remove sources of ignition. Collect the spilled product by sweeping or a non-sparking, industrial vacuum cleaner. 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

Handling
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 in preventing the release of dust of the product. Friction among the products in chipped solid form may cause electrostatic charge. Thus, take precautions including grounding of the apparatus when the product is used with flammable solvents.

Storage

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	Ingredients name	Limit value 8h (mg/m ³)	Limit value short term (mg/m ³)	Remarks
Austria	Talc	2	–	Respirable aerosol
Belgium	Talc	2	–	–
Denmark	Talc	0.3	0.6	Respirable aerosol
Spain	Talc	2	–	Respirable aerosol
Sweden	Talc	2/1	–	Inhalable /Respirable aerosol
Switzerland	Talc	2	–	Respirable aerosol
Netherlands	Talc	0.25	–	Respirable aerosol
UK	Talc	1	–	Respirable aerosol

Personal protective equipment

Respiratory protection

Wear a dust mask or simple dust mask for handling of the product. If exposure to vapour is possible (e.g. from heat-treatment of the product), wear a respirator against organic vapours.

Hand protection

Wear protective gloves, Chloroprene rubber, Natural rubber or PVC. Damaged gloves should be replaced. Suitable gloves can be recommended by the glove supplier.

Eye protection

Safety glasses (with side shields), protective goggles, or protective mask, as circumstances demand.

Other

Protective clothing, apron, and boots, as circumstances demand.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Chipped solid

Colour

Pale amber

Odour

Has a slight, characteristic odour

Odour threshold

No data available

pH

Not applicable because the product is not soluble in water

Boiling point	No data available
Melting point	No data available
Freezing point	No data available
Flash point	260°C or above (open cup method)
Evaporation rate	Not applicable
Flammability	No data available
Flammability limit-lower (%)	No data available
Flammability limit-upper (%)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	1.23 (20°C)
Solubility	
Water	Insoluble
Other solvents	Soluble in benzene and toluene
Partition coefficient (n-octanol/water)	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	Not applicable

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions	Stable under normal handling conditions
Conditions to avoid	Avoid heating at high temperatures over 200°C.
Incompatible materials	None reasonably foreseeable
Hazardous decomp. Products	It may on heating generate hazardous decomposition products such as hydrogen chloride and aldehydes .

11. TOXICOLOGICAL INFORMATION

No toxicity data noted for the ingredients.	
Acute toxicity	No data available
Corrosion/Irritation (skin,eyes etc.)	No data available
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

The product is insoluble in water. In point of view no problems are to be expected.	
Toxicity	No toxicity data noted for the ingredients
Bioaccumulative potential	No data available
Persistence and degradability	No data available
Mobility in soil	No data available

13. DISPOSAL CONSIDERATIONS

In the case the product is incinerated, take precautionary measures against combustion gases that may contain toxic gases (e.g. 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

Special precautions for user

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.

According to annex VII to directive 1999/45/EC, does not need to be labelled.

16. OTHER INFORMATION

Other information

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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