

CHOLINE CHLORIDE LIQUID 75%

BALCHEM
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SAFETY INFORMATION CARD

Effective date: 11 may 2015

Revision 0

ANH

Language EN

MANUFACTURER/SUPPLIER

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SUBSTANCE IDENTIFICATION

CAS number: 67-48-1 EC-number: 200-655-4	Formula: C ₅ H ₁₄ NO.Cl Molecular weight: 139.6 Appearance: Light yellow liquid	Relative Density: 1.10 (20 °C) Dynamic Viscosity: 26.20 (26 °C) Boiling point: > 125 °C pH: 5-8 (10 g/l, 20 °C)	Vapor pressure: 22.87 hPa Ignition temperature: 330 °C Partition coefficient: logPow -3,37 (25 °C n-octanol/water)
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Industrial Use: Feed additive Use:	REACH registration number: 01-2119974137-31-0001 Nutritional Additive; functional group vitamins, pro-vitamins and chemically well-defined substances having similar effect; Choline chloride (3a890)
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HAZARD IDENTIFICATION

The substance is not classified according to the CLP regulation (Regulation (EC) N° 1272/2008).

The substance is not hazardous according to the GHS classification.

Type of hazard /exposure	ACUTE HAZARD / SYMPTOMS	PREVENTION	FIRST AID / FIRE-FIGHTING
FIRE	Formation of toxic gases is possible during heating or in case of fire.	Fire fighting: Wear self-contained respiratory protective device.	CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions.
EXPLOSION	--	--	--
EXPOSURE			Take affected persons out of danger area and lay down.
INHALATION		Ensure adequate ventilation.	Supply fresh air; consult doctor in case of complaints.
SKIN	Generally the product does not irritate the skin.	Wear protective clothing (Rubber/PVC gloves)	Immediately wash with water and soap and rinse thoroughly.
EYES		Safety glasses	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Remove contact lenses, if present and easy to do. Continue rinsing.
INGESTION		Do not eat, drink or smoke when using this product. Keep away from foodstuffs, beverages and feed.	Rinse out mouth and then drink plenty of water. If symptoms persist consult doctor.

ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.
Methods and material for containment and cleaning up:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

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HANDLING, DISPOSAL, STORAGE AND TRANSPORT

Precautions for safe handling:	No special precautions are necessary if used correctly.
Disposal considerations:	Do not allow product to reach sewage systems, disposal must be made according to official regulations
Storage:	Store only in the original receptacle. Store away from oxidizing agents Protect from frost
Transport information	UN-Number: Void Transport hazard class: Void Packaging group: Void

OTHER INFORMATION

Toxicological information	LD50 oral 3500 mg/kg (Rat) NOAEL (repeated dose) 1200 mg/kg (Rat) – (reproduction) 78 mg/kg (Rat) Irritant/Sensitization No irritating effect or sensitizing effects known.
Ecological information	EC50 (static) 132.8 mg/l (bacteria) - (48h static) >500 mg/l (Daphnia) ErC50 (72h static) > 500 mg/l (Algae) LC50 (96h static) > 10000 mg/l (Fish) NOEC (21d) 30.2 mg/l (Daphnia) Persistence and degradability: Readily biodegradable > 75% @ 5 days Bioaccumulative potential: Does not accumulate in organisms BCF 3.16 l/kg ww Mobility in soil: logKoc: 0.1576 @ 20 °C Water hazard class 1 (German regulation – self assessment) slightly hazardous for water Results of PBT and vPvB assessment: no PBT – no vPvB
Issuing department	This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Balchem corporation – sds@balchem.com