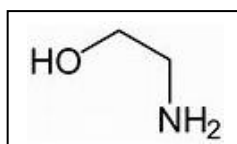
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INCI : **ethanolamine**
N°CAS : 141-43-5
N°EINECS/ELINCS: 205-483-3

DESCRIPTION / DESCRIPTION:

La monoéthanolamine également appelée éthanolamine ou 2-aminoéthanol, est un composé chimique organique. Elle est produite par réaction entre l'oxyde d'éthylène et l'ammoniaque aqueux.

Ce produit est dangereux.

Monoethanolamine, also known as ethanolamine or 2-aminoethanol, is an organic chemical compound. It is produced by reaction between ethylene oxide and aqueous ammonia.

This product is dangerous.

CARACTERISTIQUES GARANTIES / GUARANTEED SPECIFICATIONS:

CARACTERISTIQUES	SPECIFICATIONS	METHODES / METHODS
Pureté	≥ 99.5 %	GC
Teneur en DEA	≤ 0.1 %	GC
Teneur en TEA	≤ 0.1 %	GC
Teneur en eau	≤ 0.5 %	DIN 51 777
Couleur Hazen	≤ 10	DIN EN 1557

Ces éléments seront repris sur nos BA / these elements will be on our CoA

CARACTERISTIQUES A TITRE D'INFORMATION / ADDITIONAL INFORMATION:

Densité à 20°C / *Density at 20°C* ~ 1.013 – 1.020 g/ml

Indice de réfraction à 20°C / *Refractive index at 20°C* ~ 1.450 – 1.460

Soluble dans l'eau / *Soluble in water*

Cristallise en dessous de 11°C / *Crystallizes below 11°C*

ISO 16128:

Natural index = 0

Natural origin index = 0

APPLICATIONS:


Usage technique / *technical use*

CONDITIONNEMENT STANDARD / STANDARD PACKAGING:


Fût de 205 ou 210 kg, IBC de 1000 ou 1016 kg / *205 or 210 kg drum, 1000 or 1016 kg IBC*

Matière première classifiée comme substance dangereuse (voir FDS) / *Raw material classified as dangerous substance (see MSDS)*

Additives	<i>No data available</i>
Allergen	Food allergens are not used during the manufacturing process and are not intentionally added. Hence, presence of those materials in our products is not to be expected to be present and is therefore not routinely monitored.
Animal Testing	<i>No data available</i>
BSE - Bovine Spongiform Encephalopathy	No substance coming from animal sources is intentionally added in the manufacturing process of this product.
California Prop 65	This product (CAS: 141-43-5) is not listed Contains diethanolamine (CAS : 111-42-2) listed

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Carcinogenic, Mutagenic and Reprotoxic (CMR)	If the above-mentioned product contains any CMR substances relevant for classification according to CLP regulation and UN GHS, you will find this information in chapter 2 and 3 of the corresponding Safety Data Sheet.	
Composition	Monoethanolamine $\geq 99.5\%$, Main impurities: Diethanolamine $\leq 0.1\%$; triethanolamine $\leq 0.1\%$; water $\leq 0.5\%$	
Cosmetic	This product is not manufactured for cosmetics used	
Cosmos / Ecocert	This product is obtained by a chemical process – not accepted by Cosmos	
Danger	This product is classified as dangerous in accordance with CLP and ADR : UN 2491	
Dioxane	<i>No data available</i>	
Ecolabel	This product is classified as H412, these substances are restricted by Ecolabel	
European Pharmacopeia	<i>No data available</i>	
Food	Is not a food grade product	
Genetically Modified Organisms (GMO)	The raw materials are not directly derived from animals or plants. All potential biological or waste-based components (e.g. Cells, Proteins, DNA) are destroyed in this process. Consequently, our raw materials do not contain bio molecules or genetically modified organisms. The raw materials themselves do not involve genetic engineering and no genetically modified DNA is present.	
Inventories	Listed in China IECSC, USA TSCA, New Zealand NZIoC,	Philippines PICCS, Australia AICS, Canada DSL
Geographic origin (for plant)	Not concerned	
Glycol ether	<i>No data available</i>	
Halal	The above-mentioned product is produced in a chemical synthesis. No raw material used in the manufacturing process shows evidence of any animal origin. In addition, we confirm that no material of animal origin is present during production of the above-mentioned product. Ethanol was not used for the synthesis and is consequently not part of our testing plan. Therefore, we can say, to the best of our knowledge, that ethanol is not expected to be present in the above-mentioned product. With regard to the conditions of our manufacturing process and the raw materials used, the product, according to our knowledge, meets the requirements of Halal.	
Heavy Metals	Metals are typically neither part of our product specification nor our routine testing plan or Certificate of Analysis. However, with respect to the manufacturing process and the raw materials used, we can say to the best of our knowledge that the above-mentioned sales product does not contain the following metals above the reported limit: Metals Limit (each) : Pt, Pd, Ir, Rh, Ru, Os, Mo, Ni, Cr, V, Hg, Cd, As, Pb max. 1 ppm , Cu, Mn, Fe, Zn max. 5 ppm Total Metal Content max. 10 ppm	
HS code	29221100	
Irradiation / ionization	<i>No data available</i>	
Kosher	With regard to the conditions of our manufacturing process and the raw materials used, the product, to the best of our knowledge, meets the requirements of Kosher. However, it has not been submitted to our kosher certifying agency for review.	
Latex	To the best of our knowledge that Latex is not reasonably expected to be present in	

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	our above- mentioned product.
Manufacturing location	Europe (Germany, Belgium...)
Microbiological data	<i>No data available</i>
Microplastics	<p>However, with respect to the manufacturing process and the raw materials used, we can say to the best of our knowledge that these substances are not likely to be present in the above-mentioned product.</p> <p>This product is purified and does not contain added synthetic polymer microparticles to confer a sought-after characteristic of the product.</p> <p>Hence, the restriction on synthetic polymer microparticles (Regulation (EU) 2023/2055 as of September 2023) is not applicable.</p>
Nanomaterials	<p>The substances contained in the above-mentioned product do not fall under definition (Decret 2012-232 & 1907/2006).</p> <p>Therefore, this product is considered not to be concerned by the requirement for the annual declaration.</p>
Nitrosamines	<p>Nitrosamine is not generally part of testing plan for ethanolamines.</p> <p>Nevertheless, the content of Nitrosodiethanolamine (NDELA) in our above-mentioned product is monitored at regular intervals. The results of analytical tests show that the content of NDELA is typically and permanently below 50 ppb in monoethanolamine.</p>
Nutritional data	Not concerned
Origin	100% chemical synthesis
PAH/PFAS	PFAS substances cannot reasonably be expected to be present, this product has not been tested for these chemical compounds.
Pesticide	Pesticides are not known to be present in this product
Phthalate	<i>No data available</i>
Preservative	<i>No data available</i>
Process	Produced by treating ethylene oxide with aqueous ammonia
REACH	This product is registered 01-2119486455-28
Residual Solvents	<i>No data available</i>
RSPO	Not concerned – Doesn't contain palm oil and palm kernel oil derivate
Shelf Life before re-check	24 months
Substances of Very High Concern (SVHC)	If the above-mentioned product contains one of these SVHC, you will find the following phrase in chapter 3 "Composition/Information on Ingredients" of the corresponding EU Safety Data Sheet:
Volatiles organic compounds (VOC)	<p>VOC content according to the "Directive 2010/75/EU of the European Parliament and of the Council on industrial emissions (integrated pollution prevention and control)": ≤ 100 %</p> <p>VOC content according to the "Directive 2004/42/EC of the European Parliament and of the Council on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC": ≤ 100 %</p> <p>The product is not liable to tax according to the ordinance 814.018 "Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC)": VOC 0 %</p>

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Ce document annule et remplace tous documents techniques et réglementaires précédents / *This document cancels and replaces all technical and regulatory previous documents.*