

1. Product and Company Identification

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Product Name ISO PROPANOL AMINE
Part Number RXSOL-19-1338-025

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

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2. Composition / Information on ingredients

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Chemical Name	CAS	EC number	Weight	Formula
Isopropanolamine	78-96-6	201-162-7	3.960,71 mg/l - aerosol (OECD Test Guideline 403) LD50 Dermal - Rabbit - 1.600 mg/kg Remarks: (External MSDS) (Regulation (EC) No 1272/2008, Annex VI) Intraperitoneal: (ECHA)	
Skin corrosion/irritation	Skin - Rabbit Result: Causes burns. Remarks: (ECHA)			
Serious eye damage/eye irritation	Eyes - Rabbit Result: Causes serious eye damage. Remarks: (ECHA)			
Respiratory or skin sensitization	No data available			
Toxic Effects on Human	May cause damage to the following organs: upper respiratory tract. Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, sensitizer), of ingestion, of inhalation (lung irritant, lung sensitizer).			
Carcinogenicity	No data available			
Germ cell mutagenicity	Test Type: In vitro mammalian cell gene mutation test Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative Test Type: Mutagenicity (mammal cell test): chromosome aberration. Metabolic activation: with and without			

metabolic activation
Method: OECD Test
Guideline 473 Result:
negative Test Type: Ames
test Test system: Escherichia
col Metabolic activation:
with and without metabolic
activation Result: negative
Remarks: (ECHA)

Reproductive toxicity No data available

Specific target organ toxicity No data available

- single exposure

Special Remarks on other Acute Potential Health
Toxi Effects on Humans Effects: Skin: Causes skin
irritation. May cause skin
sensitization, an allergic
reaction, which becomes
evident upon re-exposure to
this material. Eyes: Causes
eye irritation. Ingestion:
Causes gastrointestinal
(digestive) tract irritation
with nausea, vomiting, and
diarrhea. May be harmful if
swallowed. Inhalation:
Causes respiratory tract
irritation. May cause
chemical pneumonitis and
pulmonary edema,
inflammation, edema of
bronchi and larynx. Chronic
Potential Health Effects:
Repeated or prolonged skin
exposure may cause allergic
reactions in sensitive
individuals. Repeated or
prolonged exposure by
inhalation may affect
respiration and metabolism.

Endocrine disrupting The substance/mixture does
properties not contain components
considered to have endocrine
disrupting properties
according to REACH Article
57(f) or Commission
Delegated regulation (EU)
2017/2100 or Commission
Regulation (EU) 2018/605
at levels of 0.1% or higher.
Material is extremely
destructive to tissue of the
mucous membranes and
upper respiratory tract, eyes,
and skin., Cough, Shortness
of breath, Headache, Nausea
To the best of our
knowledge, the chemical,
physical, and toxicological
properties have not been
thoroughly investigated.
Under given conditions,
contact with nitrites or nitric
acid can lead to the
formation of nitrosamines,
which have shown
themselves to be

carcinogenic in animal experiments. Other dangerous properties can not be excluded. Handle in accordance with good industrial hygiene and safety practice.

12. Ecological information

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Bioaccumulative potential	No data available
Persistence and degradability	Biodegradability aerobic - Exposure time 28 d Result: \geq 78 % - Readily biodegradable. (OECD Test Guideline 301F)
Toxicity to fish	LC50 - Leuciscus idus (Golden orfe) - 220 - 460 mg/l - 96 h Remarks: (IUCLID)
Toxicity to daphnia and other aquatic invertebrates	Static test EC50 - Daphnia - 108,82 mg/l - 48 h Remarks: (ECHA)
Toxicity to algae	Static test ErC50 - Desmodesmus subspicatus (green algae) - 32,7 mg/l - 72 h Remarks: (ECHA)
Toxicity to bacteria	EC50 - activated sludge - $>$ 261 mg/l - 30 min Remarks: (ECHA)
Mobility in soil	No Information available
Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Endocrine disrupting properties	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Other adverse effects	Neutralise before sewage disposal. No interference with wastewater treatment plants are to be expected when used properly. Discharge into the environment must be avoided.

13. Disposal considerations

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Disposal methods	The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.
Contaminated packaging	Dispose of as unused product.
Waste treatment Method	See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

14. Transport information

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UN number	ADR/RID: 2735 IMDG: 2735 IATA: 2735
UN proper shipping name	ADR/RID:Amines, liquid, corrosive, n.o.s. (1-aminopropan-2-ol) IMDG:Amines, liquid, corrosive, n.o.s. (1-aminopropan-2-ol) IATA:Amines, liquid, corrosive, n.o.s. (1-aminopropan-2-ol)
Transport hazard class(es)	ADR/RID: 8 IMDG: 8 IATA: 8
Packaging group	ADR/RID: II IMDG: II IATA: II
Environmental hazards	ADR/RID: NO IMDG: NO IATA: NO
Further information	No data available

15. Regulatory information

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Inventory status	Components are on the following inventories: Polymaleic acid: - US TSCA, Canadian DSL, EU EINECS, Australian AICS, Korean, Philippine PICCS and Chinese Xi irritant R 36/38 Irritant to eyes & skin R 41 Risk of serious damage to eyes S24/25 Avoid contact with skin and eyes S26/28 In case of contact eyes & skin, rinse with plenty water and seek medical advice Section 312/313: Not listed. Not listed under California proposition 65.
Safety, health and environmental regulations/legislation specific for the substance or mixture	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
National legislation	Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : ACUTE TOXIC : ENVIRONMENTAL HAZARDS
Other regulations	Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable. Take note of Dir 94/33/EC on the protection of young people at work.
Chemical Safety Assessment	For this product a chemical safety assessment was not carried out

16. Other information

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Other Information	<p>The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.</p> <p>DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.</p>
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