

1. Product and Company Identification

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Product Name 2-Methylimidazole
Part Number RXSOL-60-6910-025

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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2. Composition / Information on ingredients

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Chemical Name	CAS	EC number	Weight	Formula
2-Methylimidazole	693-98-1	211-765-7	2.000 mg/kg (OECD Test Guideline 402)	
Skin corrosion/irritation	Skin - Rabbit Result: Corrosive after 1 to 4 hours of exposure - 4 h (OECD Test Guideline 404)			
Serious eye damage/eye irritation	Eyes - Rabbit Result: Corrosive (OECD Test Guideline 405)			
Respiratory or skin sensitization	Local lymph node assay (LLNA) - Mouse Result: Does not cause skin sensitization. (OECD Test Guideline 429)			
Carcinogenicity	Suspected of causing cancer.			
Germ cell mutagenicity	Test Type: Ames test Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative Test Type: Micronucleus test Species: Mouse Application Route: Intraperitoneal Method: OECD Test Guideline 474 Result: negative Test Type: dominant lethal test Species: Mouse Application Route: Intraperitoneal Method: OECD Test Guideline 478 Result: negative			
Reproductive toxicity	May damage the unborn child. Suspected of damaging fertility.			
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.

Additional Information 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.
RTECS: NI7175000 burning
sensation, Cough, wheezing,
laryngitis, Shortness of
breath, spasm, inflammation
and edema of the larynx,
spasm, inflammation and
edema of the bronchi,
pneumonitis, pulmonary
edema, Material is extremely
destructive to tissue of the
mucous membranes and
upper respiratory tract, eyes,
and skin. To the best of our
knowledge, the chemical,
physical, and toxicological
properties have not been
thoroughly investigated.

12. Ecological information

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Persistence and degradability

Biodegradability aerobic - Exposure time 28 d Result: 67 % - Readily
biodegradable. (OECD Test Guideline 301B)

Bioaccumulative potential

No data available

Toxicity to fish

Static test LC50 - *Leuciscus idus* (Golden orfe) - 190 mg/l - 96 h (DIN
38412) static test NOEC - *Leuciscus idus* (Golden orfe) - 100 mg/l - 96 h
(DIN 38412)

Toxicity to daphnia and other aquatic invertebrates	Static test EC50 - Daphnia magna (Water flea) - 200 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to algae	Static test EC50 - Desmodesmus subspicatus (green algae) - 256,3 mg/l - 72 h (DIN 38412)
Products Biodegradation	The methods for determining the biological degradability are not applicable to inorganic substances.
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	No data available

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	Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.
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: 3259 IMDG: 3259 IATA:3259
UN proper shipping name	ADR/RID:Amines, solid, corrosive, n.o.s. (2-Methylimidazole)
	IMDG:Amines, solid, corrosive, n.o.s. (2-Methylimidazole)
	IATA:Amines, solid, corrosive, n.o.s. (2-Methylimidazole)
Transport hazard class(es)	ADR/RID: 8 IMDG: 8 IATA: 8
Packaging group	ADR/RID: III IMDG: III IATA: III
Environmental hazards	ADR/RID: No IMDG: No IATA: No
Special precautions for user	Tunnel restriction code : (C/E)
Further information	Not classified as dangerous in the meaning of transport regulations.
Transport in bulk according to IMO instruments	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	This material safety data sheet complies with the requirements of

substance or mixture	Regulation (EC) No. 1907/2006.
Safety, health and environmental regulations specific for the product in question	European Inventory of Existing Commercial Chemical Substances (EINECS) -Listed.EC Inventory Listed. United States Toxic Substances Control Act (TSCA) Inventory- Listed. China Catalog of Hazardous chemicals 2015 Not- Listed. New Zealand Inventory of Chemicals (NZIoC)Listed. PICCS -Listed. Vietnam National Chemical Inventory -Listed. IECSC Listed. Korea Existing Chemicals List (KECL) -Listed.
Authorisations and/or restrictions on use	REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : 2-Methylimidazole REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : 2-Methylimidazole
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

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