

1. Product and Company Identification

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Product Name : TYRAMINE HYDROCHLORIDE FOR SYNTHESIS
Part Number : RXSOL-60-6605-800

Company Details:

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

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2. Composition / Information on ingredients

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Name of Substance	Cas Number
Ammonium Bisulphite	60-19-5
Ethanediol	107-21-1
Quaternary Ammonium Chloride	68391-01-5
Propan-2-ol	67-63-0

3. Hazards Identification

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Classification of the substance or mixture	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
Label elements	No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required
Other hazards	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.

4. First Aid Measures

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If inhaled	After inhalation: fresh air.
In case of skin contact	In case of skin contact: Take off immediately all contaminated clothing.
In case of eye contact	After eye contact: rinse out with plenty of water. Remove contact lenses if possible and continue rinsing.
If swallowed	After swallowing: make victim drink water (two glasses) and induce vomiting.
Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are listed in section 11.

5. Fire-fighting Measures

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Suitable extinguishing media

Water Foam Carbon dioxide (CO₂) Dry powder

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing

Special hazards arising from the substance or mixture

Carbon oxides Nitrogen oxides (NO_x) Hydrogen chloride
hazardous combustion gases or vapours possible in the event of fire

Advice for firefighters

In the event of fire, wear self-contained breathing apparatus

Further information

Suppress (knock down) gases/vapors/mists with a water spray
from contaminating surface water or the ground water system

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation

area, observe emergency procedures, consult an expert

Environmental Precaution

Do not let product enter drains.

Methods and materials for
containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe
and 10). Take up dry. Dispose of properly. Clean up as

Reference to other sections

For disposal see section 13

7. Handling and Storage

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Precautions for safe handling

For precautions see section 2.2. For precautions see section 2.2.

Storage conditions

Tightly closed. Dry.

Storage class

Storage class (TRGS 510): 11: Combustible Solids

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other

8. Exposure controls and personal protection

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Control parameters

Ingredients with workplace control parameters

Personal Protection

Eye protection : Use equipment for eye protection
standards such as NIOSH (US) or EN 166(EU). Safety

Hand protection : Wear the following personal
should be discarded and replaced if there

breakthrough. **Skin protection :** Handle with gloves
glove removal technique (without touching glove's

Dispose of contaminated gloves after use in accordance
practices. Wash and dry hands. Sigma- T2879 Page

MilliporeSigma in the US and Canada The selected
Regulation (EU) 2016/425 and the standard EN 374

Minimum layer thickness: 0,11 mm Break through
/ Aldrich Z677272, Size M) Splash contact

Material: Nitrile rubber Minimum layer thickness: 0

Break through time: 480 min Material tested: Derm
source: KCL GmbH, D-36124 Eichenzell, phone +49

EN374 If used in solution, or mixed with other substances

Control of environmental exposure



Gloves Suit

374, contact the supplier of the EC approved gloves, evaluated by an industrial hygienist and safety officer for use by our customers. It should not be construed as a scenario. **Respiratory protection** : required when dust. Respiratory protection are based on the following accompanying standards relating to the used respirator. Filter type P1 The entrepreneur has to ensure that protective devices are carried out according to the standards and be properly documented.

Do not let product enter drains.

9. Physical and chemical properties

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Physical state	powder
Color	white, to, off-white
Odour	No data available
Melting point/freezing point	Melting point/range: 271 - 274 °C - lit.

Initial boiling point and boiling range No data available

Flammability (solid, gas)	No Data Available
Upper/lower	No data available

flammability or

Flash point	No data available
Autoignition	No data available

temperature

Decomposition	No data available
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temperature

pH	No data available
Viscosity	No data available
Vapor pressure	Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Vapor pressure	No data available
Density	No data available

Relative density

Relative vapor	No data available
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density

Particle	No data available
characteristics	
Explosive properties	No data available
Oxidizing properties	None
Other safety information	No data available

10. Stability and reactivity

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Recativity	The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution when whirled up a dust explosion potential may generally be assumed
Chemical stability	The product is chemically stable under standard ambient conditions (room temperature) .
Possibility of hazardous reactions	No information available
Incompatible materials	No data available
Hazardous decomposition products	In the event of fire: see section 5
Condition to Avoid	Light. no information available

11. Toxicological information

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Acute toxicity	Oral: No data available Inhalation: No data available Dermal: No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Test Type: Mouse Test system: lymphocyte Remarks: Mutation in microorganisms Test Type: Mouse Test system: lymphocyte Remarks: Mutation in mammalian somatic cells.
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Endocrine disrupting properties Product:	Assessment : 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: SJ6050000

12. Ecological information

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Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Endocrine disrupting properties Product:	Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties 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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Waste treatment methods Product	See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.
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14. Transport information

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Hazard Pictograms:

UN Number	ADR/RID: - IMDG: - IATA: -
UN proper shipping name	ADR/RID: Not dangerous goods IMDG: Not dangerous goods

Transport hazard class(es) 8

ADR/RID

ADR/RID: - IMDG: - IATA: -

Packing group

Packing group

III ADR/RID: - IMDG: - IATA: -

Environmental hazards

Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

Special precautions for user

No data available

Further information

Not classified as dangerous in the meaning of transport regulations

15. Regulatory information

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substance or mixture

Chemical safety assessment

For this product a chemical safety assessment was

16. Other information

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Other Information

The information above is believed to be accurate and reliable. However, we make no warranty of accuracy, expressed or implied, with respect to such information, and we do not intend to make any investigation to determine the accuracy of the information for particular purposes. In no event shall we be liable for any damages, including but not limited to, for lost profits or any special, indirect, incidental, or consequential damages arising, even if **Rx Marine International** has been advised of the possibility of such damages.

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