Material Safety Data Sheet

pH Booster Morpholine Base (RXSOL-40-5024-020)

1. Product and Company Identifaction

Product Name	RXSOL-40-5024-020
Product Type	pH Booster

Company Details:

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

Stock Point ::: Mumbai, Kandla, Kolkata, Chennai, Vizag, Fujairah, Muscat

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Email	mail@rxmarine.com

2. Composition / informationon ingredients

COMPONENTS All ingredients not precisely identified are proprietary.

INGREDIENTS:	Morpholine	Hydrazine
CAS NO.	110-91-8	302-01-2
Chemical Formula	C_4H_9NO	N_2H_4
R-phrases	R10 R20/21/22 R34	R45, R10, R23/24/25, R34,R43, R50/53

3. Hazards Identification

EMERGENCY OVERVIEW:

Appearance	Liqud
Odor	Weak ammonia-like or fish-like

POTENTIAL HEALTH EFFECTS

EYES	Slight irritation may occur
SKIN	Slight irritaion may occur
INGESTION	Slight irritaion may occur
INHALATION	Slight irritaion may
ACUTE AND occur CHRONIC HEALTH HAZARDS	None known.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE	None known.

CARCINOGENICITY

OSHA	n/a
IARC	n/a
ACGIH	n/a
OTHER	n/a
NTP	n/a

4. First Aid Measures

EYES:	Flush eyes thoroughly with running water for 15 minutes while keeping the eyelids wide open. Consult physician if redness or irritation persists.
SKIN:	Wash with soap and water. Cold water may be used. If irritation develops seek medical attention
INGESTION:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
INHALATION:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5. Fire-fighting Measures

SUITABLE EXTINGUISHING MEDIA	Any
EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS	None
SPECIAL EXPOSURE HAZARDS IN A FIRE	None
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS	None
OTHER INFORMATION	None

6. Accidental Release Measures

PERSONAL PRECAUTIONS	Follow protective measures provided in sections 5 and 8 Keep away materials and products which are incompatible with product specified in section 10
ENVIRONMENTAL PRECAUTIONS	Rinse spilled product to dillute areas of direct contact.
METHODS FOR CLEAN UP	Wear suitable clothing and protective equipment Recover or mop up excess material and reuse wherever possible. Absorb unusable product with suitable material and dispose of in accordance with Section 13.

7. Handling and Storage

HANDLING

Maintain good housekeeping practices

Wash hands after use

Avoid contact with potable water or food

STORAGE

Keep in a dry place

Keep away from direct sunlight

Keep away from heat

Keep away from incompatible products specified in section 10

Keep only in the original container at temperature not exceeding 40C (104F)

8. Exposure controls and personal protection

ENGINEERING CONTROLS:	NA
VENTILATION:	Local exhaust, mechanical exhaust recommended
RESPIRATORY PROTECTION:	Dust filter mask recommended
EYE PROTECTION:	ANSI approved safety glasses with side protection or goggles.
SKIN PROTECTION:	Wear suitable protective clothing
HYGIENIC PRACTICES:	Handle in accordance with good hygiene and safety practice.

9. Physical and chemical properties

GENERAL INFORMATION

APPEARANCE:	Liquid
ODOR:	none

IMPORTANT HEALTH SAFETY AND ENVIRONMENTAL INFORMATION

pH:	11.5
BOILING POINT	NA
FLASH POINT	NA
MELTING POINT	851C
FLAMMABILITY (SOLID, GAS)	Non flammable
EXPLOSIVE PROPERTIES	Non-explosive
VAPOR PRESSURE:	NA
VAPOR DENSITY:	NA
BULK DENSITY	NA
EVAPORATION	NA
SOLUBILITY IN WATER:	Soluable in hot water, glycerol.
DECOMPOSITION TEMPERATURE	NA
VISCOSITY:	NA
SPECIFIC GRAVITY	1.20

10. Stability and reactivity

STABILITY:	Stable under normal conditions of use.
CONDITIONS TO AVOID:	None
INCOMPATIBILITY (MATERIAL TO AVOID):	Acid

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Not Known
HAZARDOUS POLYMERIZATION:	NA
CONDITIONS TO AVOID:	NA

11. Toxicological information

TOXICOLOGICAL DATA:

ACUTE ORAL TOXICITY	4090mg/kg (rat)
ACUTE INHALATION TOXICITY	causes severe irritation of the respiratory tract
ACUTE DERMAL IRRITATION/CORROSION	Not Known
SKIN IRRITATION	Causes slight irritation
EYE IRRITATION	Causes severe irritation of the eyes
SENSITIZATION	None
CHRONIC TOXICITY	NA
CHRONIC TOXICITY/ CARCINOGENIC DESIGNATION:	Prolonged or repeated skin contact may produce severe irritation or dermatitis.

12. Ecological information

ECOTOXICITY EFFECTS:

ACUTE TOXICITY:	None known
MOBILITY:	NA
PERSISTENCE AND DEGRADABILITY:	None known
BIOACCUMULATIVE POTENTIAL:	Is not known to accumulate

13. Disposal considerations

WASTE TREATMENT:	Dispose of within current local and state regulations. No special method required.
PACKAGING TREATMENT:	Consult federal, state, and local regulations regarding the proper disposal of emptied containers.
RCRA HAZARD CLASS:	NA

14. Transport information

U.S. DEPARTMENT OF TRANSPORTATION

Chemicals Not Hazardous	
PROPER SHIPPING NAME:	Otherwise Indexed (NOI)
HAZARD CLASS:	Not Regulated
ID NUMBER:	NA
LABEL STATEMENT:	None

WATER TRANSPORTATION

Chemicals Not Hazardous	
PROPER SHIPPING NAME:	Otherwise Indexed (NOI)
HAZARD CLASS:	Not Regulated
ID NUMBER:	NA
LABEL STATEMENT:	None

AIR TRANSPORTATION

Chemicals Not Hazardous

PROPER SHIPPING NAME:	Otherwise Indexed
HAZARD CLASS:	Not Regulated
ID NUMBER:	NA
LABEL	None

15. Regulatory information

Preparation does not contain ingredients listed as a dangerous substance in Annex 1 of the EEC directive 67/548.

16. Other information

KEEP OUT OF REACH OF CHILDREN

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