Material Safety Data Sheet

CAT Sulphite 25 Ltr (RXSOL-50-5008-025)

1. Product and Company Identifaction

Product Name	RXSOL-50-5008-025
Product Type	CAT Sulphite (Catalysed Sulphite for Boiler)

Company Details:

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

STOCK point : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah

Phone	+91 22 27815541 / 42
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Email	mail@rxmarine.com
Website	www.rxmarine.com

2. Composition / informationon ingredients

Chemica Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols Disodium
Sodium bisulphite	30-60%	7631-90-5	231-548-0	22, 31	Xn
Cobalt sulphate	0.01-0.25%	10124-43-3	233-334-2	49, 22, 42/43, 50/53, 60, 68	T, N Carc. Cat. 2;

*See Section 16

3. Hazards Identification



Toxic

Classification of the substance or mixture
Counsil Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
Carcinogen, category 2
Label elements
Toxic
Risk Phrases
May cause cancer by inhalation (R49)
Harmful if swallowed (R22)
Contact with acids liberates toxic gas (R31)
Safety Phrases
Keep away from acid (S14)
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
Wear suitable gloves and eye/face protection (S37/39)
If swallowed seek medical advice immediately and show this container or label (S46)
Other hazards
Odour: Pungent odour, Strong smell of sulphur
Appearance: Liquid, pink, soluble in water

Contact with eyes: Causes severe irritation
Contact with skin: Causes redness and irritation

4. First Aid Measures

IF ON SKIN (or hair)	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Contaminated clothing should be laundered before reuse
IF IN EYES	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF SWALLOWED	rinse mouth. Do NOT induce vomiting. Give plenty of water to drink. Never make an unconscious person vomit or drink fluids
IF INHALED	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
IF INHALED	Remove victim to fresh air and keep at rest in a position comfortable for breathing.When in doubt or symptoms persist, seek medical attention

Most important symptoms and effects, both acute and delayed
Possible redness and irritation of affected areas
Can cause damage to the intestines
Indication of immediate medical attention and special treatment needed

5. Fire-fighting Measures

Extinguishing media
Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
Special hazards arising from the substance or mixture
Smoke from fires is toxic
Advice for firefighters
Wear chemical protection suit and positive-pressure breathing apparatus

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Wear protective clothing as per section 8
Environmental Precautions
Do not allow to enter public sewers and watercourses
Methods and material for containment and cleaning up
Absorb spillage in inert material and shovel up
Flush spill area with copious amounts of water
Reference to other sections

7. Handling and Storage

Handling	Avoid contact with acid. Avoid contact with skin and eyes (S24/25). Eyewash bottles should be available See Section 8
Storage	Keep only in the original container in a cool, well ventilated place away from acid (S3/9/14/49). Protect from frost

Specific end use(s)

8. Exposure controls and personal protection

Control parameters	TLV (TWA) 5 mg/m3 (Sodium bisulphite)
Exposure controls	The undiluted product must not be used in a confined space without good ventilation
Occupational exposure controls	Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended). Respiratory protection may be required under exceptional circumstances when excessive air contamination exists
Goggles Gloves Suit	No Smoking


Goggles


Gloves


Suit


No_Smoking

9. Physical and chemical properties

Information on basic physical and chemical properties

Odour	Pungent odour, Strong smell of sulphur
Appearance	Liquid, pink, soluble in water
pH	4-6 at 10 % concentration
Boiling point	>100 °C at 760 mm /Hg
Vapour pressure	not known
Freezing point	0 °C at 760 mm/Hg
Completely soluble in water	
Specific gravity (water=1)	1.35
Non combustible	
Other information	None

10. Stability and reactivity

Chemical stability
Considered stable under normal conditions.Possibility of hazardous reactions
No hazardous reactions known if used for its intended purpose
Conditions to avoid. Avoid overheating
Incompatible materials
Incompatible with acid. Incompatible with oxidizing substances
Hazardous Decomposition Products
Decomposition products may include sulphur oxides

11. Toxicological information

Toxicological information	LD50 (oral,rat) 2 mg/kg. (NaHSO3)
Inhalation	Vapours or aerosols may cause irritation of eyes, nose and respiratory tract. May cause cancer by inhalation (R49)
Contact with skin	Causes irritation

Contact with eyes	Causes redness and irritation
Ingestion	Harmful if swallowed (R22). Can cause damage to the intestines
Carcinogenicity	
Cobalt sulphate	May cause cancer by inhalation (R49). Category 2 Carcinogen

12. Ecological information

Toxicity	May cause acute effects in the aquatic environment
Persistence and degradability	Its main ingredients will either dissolve rapidly and dissociate in water or are readily / inherently biodegradable.Degrades rapidly on exposure to air
Bioaccumulation Potential	Cobalt is known to bioaccumulate.
Mobility in soil	Completely soluble in water
Other Adverse Effects	No environmental problems are expected when the product is used / handled correctly. In its intended use, the product will not be released into the environment.

13. Disposal considerations

Waste treatment methods	Do not discharge into drains or the environment, dispose to an authorised waste collection point. Disposal should be in accordance with local, state or national legislation
Classification	This material and/or its container must be disposed of as hazardous waste EU Waste class: 06.03

14. Transport information



Corrosive-8

UN Number	UN2693
UN Proper Shipping Name	Bisulfites, aqueous solution, n.o.s. (sodium bisulfite)
Transport hazard class(es)	8
Packing group	III
Environmental hazards	Presents little or no hazard to the environment
Special precautions for user	Forbidden on passenger aircraft

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:Not applicable

Other information

Road/Rail (ADR/RID)

Proper Shipping Name	Bisulfites, aqueous solution, n.o.s. (sodium bisulfite)		
ADR UN No	UN2693	ADR Hazard Class	8
ADR Packing Group	III	ADR subrisk	n/a
ADR Flashpoint	n/a		

Sea (IMDG)

Proper Shipping Name	Bisulfites, aqueous solution, n.o.s. (sodium bisulfite)		
IMDG UN No	UN2693	IMDG Hazard Class	8

IMDG Pack Group	III	IMDG EmS	F-A, S-B
IMDG subrisk	n/a	IMDG Flashpoint	n/a
Air (ICAO/IATA)			
Proper Shipping Name	Bisulfites, aqueous solution, n.o.s. (sodium bisulfite)		
ICAO Un No	UN2693	ICAO Hazard Class	8
ICAO Packing Group	III	ICAO subrisk	n/a
ICAO Flashpoint	n/a		
DOT / CFR (US Department of Transportation)			
DOT Proper Shipping Name	Bisulfites, aqueous solution, n.o.s. (sodium bisulfite)		
Hazardous Material	sodium bisulfite		
Hazard Class	8	Identification Number	UN2693
Product RQ (lbs)	7700	DOT subrisk	n/a
DOT Flashpoint	n/a		

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture
This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU. This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC) This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC) Chemical Safety Assessment None

16. Other information

Text of R and S phrase codes used in this safety data sheet:- R22: Harmful if swallowed; R31: Contact with acids liberates toxic gas; R42/43: May cause sensitisation by inhalation and skin contact; R49: May cause cancer by inhalation; R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment; R60: May impair fertility; R68: Possible risk of irreversible effects. The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer

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