Material Safety Data Sheet

N PHENYL THIOUREA (RXSOL-60-6605-018)

1. Product and Company Identifaction

Product Name	N PHENYL THIOUREA
Part No	RXSOL-60-6605-018

Company Details:

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

Branch : Mumbai, Kandla, Chennai, Vizag,Kolkata,UAE,OMAN,Kenya.

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Email	mail@rxmarine.com
Website	www.rxmarine.com

2. Composition / informationon ingredients

Chemical Name	CAS-No	EC-No.	Weight	Formula
1-Phenyl-2-thiourea Phenylthiocarbamide	103-85-5	203-151-2	152.22 g/mol	C6H5.NH.CS.NH2

3. Hazards Identification

Signal word	Danger
Classification according to Regulation	Acute toxicity, Oral (Category 1), H300 Skin sensitisation (Category 1), H317 For the full text of the H-Statements mentioned in this Section, see Section 16.
Label elements	Labelling according Regulation (EC) No 1272/2008 Pictogram
Hazard statement(s)	H300 Fatal if swallowed H317 May cause an allergic skin reaction
Precautionary statement(s)	P264 Wash hands thoroughly after handling P280 Wear protective gloves P301 + P310IF SWALLOWED: Immediately call a POISON CENTER/doctor.
Supplemental Hazard Statements	None
Other hazards	None

4. First Aid Measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
In case of eye contact	Flush eyes with water as a precaution.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	No data available

5. Fire-fighting Measures

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.
Special hazards arising from the substance or mixture	Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	No data availabl

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains
Methods and materials for containment and cleaning up	Sweep up and shovel. Keep in suitable, closed containers for disposal..
Reference to other sections	For disposal see section 13.

7. Handling and Storage

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Precautions for safe handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.Normal measures for preventive fire protection. For precautions see section 2.2.
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated
Conditions for safe storagincluding any incompatibilities	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): Combustible solids, toxic

8. Exposure controls and personal protection

Appropriate engineering controls	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.
Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU
Skin protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands
Body Protection	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace
Respiratory protection	Where risk assessment shows air-purifying respirators are appropriate use (EN 143) respirator cartridges as a backup to engineering controls. If th full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)
Control of environmental exposure	Prevent further leakage or spillage if safe to do so. Do not let product enter drains

9. Physical and chemical properties

Form	Solid
Odour Threshold	No data available
Odor	No data available
Melting point/freezing point	Melting point/range: 145 - 150 °C - lit

Initial boiling point and boiling range	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Flash point	No data available
Evaporation rate	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Water solubility	No data available
pH	No data available
Partition coefficient: n-octanol/water	No data available
Vapor pressure	No data available
Relative density	No data available
Density	No data available
Explosive properties	No data available
Auto-ignition temperature	No data available
Oxidizing properties	No data availabl
Other safety information	No data available

10. Stability and reactivity

Reactivity	No data available
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	no information available
Conditions to avoid	no information available
Incompatible materials	Strong oxidizing agents, Strong acids, Strong bases
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides Other decomposition products - No data available In the event of fire: see section 5

11. Toxicological information

Acute toxicity	LD50 Oral - Rat - 3 mg/kg(Phenyl-2-thiourea)
Skin corrosion/irritation	No data available(Phenyl-2-thiourea)
Serious eye damage/eye irritation	No data available(Phenyl-2-thiourea)
Respiratory or skin sensitization Germ cell mutagenicity	Rat(Phenyl-2- thiourea) Liver DNA damage
Aspiration hazard	No data available(Phenyl-2-thiourea)
Reproductive toxici	No data available
Specific target organ toxicity - single exposure	No data available(Phenyl-2-thiourea)
Specific target organ toxicity - repeated exposur	No data available
Endocrine disrupting properties	The substance/mixture does not contain components considered to have endocrinedisrupting 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.
Repeated dose toxicity	Rat - male and female - Oral - NOAEL (No observed adverse effect level) - 250 mg/kg Remarks: (in analogy to similar products) The value is given in analogy to the following substances: diammonium hydrogenphosphate To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. After uptake of large quantities: Stomach/intestinal disorders disturbed electrolyte balance. drop in blood pressure The following applies to ammonium salts in general: after swallowing: local irritation symptoms, nausea, vomiting, diarrhoea. Systemic effect: after the uptake of very large qantities: drop in blood pressure, collapse, CNS disorders, spasms, narcotic conditions, respiratory paralysis, haemolysis. However, when the product is handled appropriately, hazardous effects are unlikely to occur. Handle in accordance with good industrial hygiene and safety practice
Aspiration hazard	No data available(2-Propenoic acid, 2-methyl-, methyl ester, homopolymer)

Additional Information	RTECS: TR0400000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.(2-Propenoic acid, 2-methyl-, methyl ester, homopolymer)

12. Ecological information

Toxicity	Toxicity to daphnia and other aquatic invertebrates LC50 - Daphnia magna (Water flea) - 59 mg/l - 48 h(Phenyl-2-thiourea)
Toxicity to daphnia and other aquatic invertebrate	Static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to algae	Static test ErC50 - Pseudokirchneriella subcapitata (green algae) - > 100 mg/l - 72 h (OECD Test Guideline 201)
Toxicity to bacteria	Static test EC50 - activated sludge - > 100 mg/l - 3 h (OECD Test Guideline 209)
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
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

Waste treatment methods	Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	Dispose of as unused product

14. Transport information

ADR - Packing instructions : P001
ADR - Limited Quantity : 1 L
ADR - Tunnel code : D/E : Bulk or tank carriage: Passage forbidden through tunnels of category D and
E. Other carriage: Passage forbidden through tunnels of category E.
14.2. Sea transport (IMDG) [English only]
Proper shipping name : ACETIC ACID,
UN N° : 2789
IMO-IMDG - Class or division : 8 : Corrosive substance. (3 : Flammable liquid.)
IMO-IMDG - Packing group : II
IMO- IMDG - Packing instructions : P001
IMO-IMDG - Limited quantities : 1 L
IMO-IMDG - Marine pollution : No
EMS-Nr : F-E S-C
14.3. Air transport (ICAO-IATA) [English only]
Proper shipping name : ACETIC ACID
UN N° : 2789
IATA - Class or division : 8 : Corrosive substance. (3 : Flammable liquid.)
IATA - Packing group : II
IATA - Passenger and Cargo Aircraft : ALLOWED
- Passenger and Cargo - Packing : 851
instruction
- Passenger and Cargo - Maximum : 1 L
Quantity/Packing
IATA - Cargo only : ALLOWED
- Cargo only - Packing instruction : 855
- Cargo only - Maximum Quantity/ : 30 L
Packing
IATA - Limited Quantites : 0.5 L
ERG-Nr : 8F

UN number -	ADR/RID: - 2811 IMDG: - 2811 IATA: - 2811
Transport hazard class(es)	ADR/RID: TOXIC SOLID, ORGANIC, N.O.S. (Phenyl-2-thiourea) IMDG: TOXIC SOLID, ORGANIC, N.O.S. (Phenyl-2-thiourea) IATA: Toxic solid, organic, n.o.s. (Phenyl-2-thiourea)
Packaging group	ADR/RID: - I IMDG: - I IATA: - I
Environmental hazards	ADR/RID: no IMDG Marine pollutant: no IATA: no
Special precautions for user	No data available

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Other regulations	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

Other Information	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 weassume 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 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.