Material Safety Data Sheet

Coil and Air Filter Cleaner HD (RXSOL-39-3901-025)

1. Product and Company Identifaction

Product Name	**Coil and Air Filter Cleaner HD**
Part Number	**RXSOL-39-3901-025**

Company Details:

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

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

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2. Composition / informationon ingredients

Chemical Name	**CAS No**	**%**
Mixture		
Poly(oxy-1,2-ethanediyl),alpha-undecyl-omega-hydroxy	34398-01-1	3 - 7
Sodium Metasilicate	6834-92-0	1 - 5
Sodium Xylene Sulphonate	1300-72-7	1 - 5
Tetrasodium Ethylenediamine Tetraacetate	64-02-8	1 - 5
Proprietroy Blend	---	80-90

3. Hazards Identification

Physical hazards	Corrosive to metals Category 1
Health hazards	Skin corrosion/irritation Category 1 Serious eye damage/eye irritation Category 1
Environmental hazards	Not classified.
Signal Word	Danger.
Hazard Statements	May be corrosive to metals. Causes severe skin burns and eye damage.
Precautionary statements Prevention	Keep only in original packaging. Do not breathe mist or vapour. Wash thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection.
Precautionary statements Response	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF INHALED: remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse. Absorb spillage to prevent material-damage.
Storage	Store locked up. Store in a corrosion resistant container with a resistant inner liner.

Disposal	Dispose of container in accordance with local, regional, national and international regulations.

4. First Aid Measures

Inhalation	IF INHALED: remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE or doctor.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor.
Swallowed	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison centre or doctor. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Never give anything by mouth if person is unconscious, or is convulsing.
Skin Contact	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a poison centre or doctor. Wash contaminated clothing before reuse.
Most important symptoms and effects, both acute and delayed	Inhalation of vapour can cause respiratory tract irritation or chemical burns. Burning pain and severe corrosive skin damage. Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Harmful if swallowed. Causes chemical burns to mouth, throat and stomach.
Indication of any immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

5. Fire-fighting Measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and material for containment and cleaning up	This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb spillage to prevent material damage. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.
Reference to other sections	For disposal see section 13.

7. Handling and Storage

Precautions for safe handling	Do not get in eyes, on skin, or on clothing. Do not breathe mist or vapour. Do not swallow. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash thoroughly after handling. Handle and open container with care. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Keep out of reach of children. Keep container tightly closed in a cool, dry and well-ventilated place. Store in corrosive resistant container with a resistant inner liner. Store locked up.

8. Exposure controls and personal protection

Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.
Biological limit values	No biological exposure limits noted for the ingredient(s)
Occupational exposure limits	No exposure limits noted for ingredient(s).
Eye/face protection	Wear safety glasses with side shields (or goggles) and a face shield.
Skin protection	Wear appropriate chemical resistant gloves
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).
Thermal hazards	Not available.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Physical state	Clear Liquid
Colour	Yellow
Odour	Fresh
Odor Threshold	Not Applicable
pH	12.7
Melting Point	Not Applicable
Boiling Point	Not Applicable
Flash Point	Not Applicable
Evaporation Rate	Not Applicable
Flammability (solid, gas)	Not Combustible
Explosive limits	No Data Available
Upper/lower flammability or explosive limits	No data available
Autoignition temperature	Not Applicable
Decomposition temperature	Not Applicable
Vapour pressure	Not Applicable
Density	8.62
Vapour Density	No Data Available
Freezing point	No data available
Specific Gravity	No data available
Partition coefficient	No data available
Explosive properties	No data available
Solubility	No data available
Relative density	Not Applicable
Ignition temperature	No information available.

Particle characteristics	No data available
Viscosity	No data available

10. Stability and reactivity

Reactivity	Reacts violently with strong acids. This product may react with oxidizing agents. May be corrosive to metals.
Stability	Material is stable under normal conditions
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not mix with other chemicals.
Incompatible materials	Acids. Strong oxidising agents. Metals.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon

11. Toxicological information

Acute toxicity	Not known
Routes of exposure	Inhalation. Ingestion. Skin contact. Eye contact.
Ingestion	Causes digestive tract burns.
Inhalation	May cause respiratory tract irritation or chemical burns.
Skin contact	Causes severe skin burns.
Eye contact	Causes serious eye damage.
Symptoms related to the physical, chemical and toxicological characteristics	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Serious eye damage/eye irritation	Causes serious eye damage.
Skin corrosion/irritation	Causes severe skin burns. Causes severe skin burns and eye damage
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity – Repeated Exposure	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	Not a respiratory sensitizer. This product is not expected to cause skin sensitisation.
Aspiration hazard	Based on available data, the classification criteria are not met.
Information on components	CAS: 121-57-3 sulphanilic acid OECD 471 (negative) (NTP, Salmonella typhimurium)
Additional toxicological information	The following applies to aromatic amines in general: systemic effect - methaemoglobinaemia with headache, cardia dysrhythmia, drop in blood pressure, dyspnoea, spasm, principal symptom: cyanosis (blue discoloration of the blood)

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Ecotoxicological data	Poly(oxy-1,2-ethanediyl), alpha-undecyl-omega-hydroxy- (CAS 34398-01-1) • Crustacea EC50 Water flea (Daphnia magna) 1.6 - 2.5 mg/L, 48 hours • Fish LC50 Fathead minnow (Pimephales promelas) 3.2 - 5 mg/L, 96 hours Sodium metasilicate (CAS 6834-92-0) • Crustacea EC50 Water flea (Ceriodaphnia dubia) 0.28 - 0.57 mg/L, 48 hours. • Fish LC50 Western mosquitofish (Gambusia affinis) 1800 mg/L, 96 hours. Tetrasodium ethylenediamine tetraacetate (CAS 64-02-8) • Algae EC50 Algae 1.01 mg/L, 72 Hours. • Crustacea EC50 Water flea (Daphnia magna) 610 mg/L, 24 hours. • Fish LC50 Bluegill (Lepomis macrochirus) 472 - 500 mg/L, 96 hours.
Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.
Bioaccumulative potential	Pow = n-octanol/wasser partition coefficient log Pow 1 Does not accumulate in organisms. CAS: 121-57-3 sulphanilic acid log Pow-2.298 (.)
Mobility in soil	No further relevant information available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Hazardous waste code	The waste code should bDelete Rowse assigned in discussion between the user, the producer and the waste disposal company.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

UN number	UN 3266
UN proper shipping name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Transport hazard class(es)	8
Packaging group	II
Marine pollutant	Yes

15. Regulatory information

Safety, health and environmental regulations specific for the product in question	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
Other regulations	No data available
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 merchant ability or any other warranty, express or implied, with respect to such information, and we assume 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, how so ever arising, even if RX Marine International has been advised of the possibility of such damages.