Material Safety Data Sheet

WD 40 (RXSOL-16-1671-400)

1. Product and Company Identifaction

Product Name **WD 40**

Product Type **RXSOL-16-1671-400**

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

Phone	+91 22 65113333/ 5555 / 9999 / 27611360 / 27815540
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2. Composition / informationon ingredients

	CAS No	% Weight	EC Number	Symbol	R-Phrases
NAPHTHA (PETROLEUM)	64742-48-9	67%	649-327-00-6		R10 R66
HYDROTREATED HEAVY					
MINERAL OIL	64742-65-0	21%	265-169-7		
CARBON DIOXIDE	124-38-9	2-3%			N/A
NON HAZARDOUS INGREDIENT	N/A	10%	N/A		

3. Hazards Identification

Fire and Explosion:

Flash point	: Tag open cup 44° Celsius (minimum)
Flammable/explosion limits	: (Low) 0.6% (High) 8.0% (Solvent portion)
Extinguishing media	: CO2 , dry chemical, foam
Special fire fighting procedures	: See section 5 herein

Unusual fire and explosion hazards : Flammable

Health /Routes of Entry

Threshold limit value	: Hydrocarbon solvent lowest TLV (100ppm)
Carcinogenic:	:The product has been assessed by NTP, IARC and OSHA and passed as being non-carcinogenic

Symptoms of Exposure

Inhalation	: May cause anaesthesia, headache, dizziness, nausea and upper respiratory irritation
Skin contact	: May cause drying of skin and/or irritation
Eye contact	: May cause irritation, tears and redness
Ingestion	: May cause irritation, nausea, vomiting and diarrhoea

4. First Aid Measures

SKIN	: Wash copiously with soap and water - remove contaminated clothing, including shoes and launder before re-use. If skin irritation develops seek immediate medical attention.
EYES	: As soon as possible irrigate thoroughly with water for at least 15 minutes, holding the eyelids apart. If in any doubt, or the irritation persists, obtain medical attention.
INHALATION	: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen
INGESTION	: In the event of deliberate ingestion help must be obtained urgently.

Keep at rest. Do not induce vomiting but seek prompt medical attention. Observe patient in case abdominal pain develops, or patient starts to vomit. Try to keep patient conscious and try to make certain that patient does not aspirate vomit into lungs.

5. Fire-fighting Measures

Keep product in storage (and in use) away from sources of ignition. In the event of fire, remove all unaffected product (if possible) away from the immediate vicinity. If necessary cool stocks with water mists. Extinguish burning material with foam, dry powder, CO2 or halons. DO NOT USE WATER.

6. Accidental Release Measures

Small Scale Spillages:
In the unlikely event of spillages from aerosol cans, place cans in bags or open pail until pressure has dissipated. Aerosol cans must not be punctured or incinerated but disposed of in land fill or in accordance with local regulations. Do not wash WD-40 contamination into drains and waterways. Instead wipe affected areas with white spirit or turpentine substitute and allow to dry When dry wash affected areas with soapy water to remove any remnants of WD-40. If white spirit cannot be applied, layer with sawdust or absorbent material. Allow to dry and then sweep/shovel into refuse bins and dispose of via public or private waste disposal.

Large Scale Spillages:
In the event of large roadside transport spillages resulting from collision or overturned vehicles, vehicles must be kept away from contaminated roads or other surfaces. Affected areas should be covered in layers of sawdust or similarly absorbent material. Do not wash into drains, waterways or soil courses. Later remove absorbent material to waste disposal site. Marine spillages should be dealt with in accordance with pollutant procedures which are relevant to the product classification and IMDG codes.

7. Handling and Storage

Special Handling Information:
Ventilation:
Must be sufficient to keep solvent vapour less than TLV.

Ventilation:
Advised when concentration of solvent vapour exceeds TLV.

Protective gloves:
Advised when skin comes into contact with WD-40 regularly or to prevent possible skin irritation.

Eye protection :
Factory or industrial users are advised to wear protection to guard against potential eye contact.

Other protection equipment:
None required.

Special Storage Information:
There is no special storage information relevant to the keeping of WD-40. It is obvious that aerosols should be kept away from sources of ignition or ambient temperatures above 50°Celsius. Local laws and fire inspectorates may also influence storage policies of commercial organisations. Do not store large quantities of WD-40 aerosols in unventilated bunkers or enclosures. Keep out of reach of children. Do not spray on naked flame or any incandescent material. No Smoking near expelled product.

8. Exposure controls and personal protection

General:
Keep product away from sources of ignition, avoid excessive inhalation of spray particles, do not puncture or store container above 50°Celsius, keep away from children.

Use only in accordance with the instructions printed on the container.

Use only in a well ventilated area.

Do not use near a naked flame or any incandescent material.

Do not smoke whilst using.

Exposure Limits

	Exposure Limit (EH40/97)			
	8 hour TWA		period 10 minute period	
	PPM	mgm -3	PPM	mgm -3
White spirit	100	575	125	720
Mineral oil		5		

9. Physical and chemical properties

Boiling point	: N/A
Vapour density (air = 1)	: Greater than 1
Solubility in water	: Insoluble
Specific gravity (H20 = 1)	: 0.817 @ 21°Celsius
Volatile volume (by weight)	: 78%
Evaporation rate	: Not determined
Vapour pressure	: 100+/-5psi 21°Celsius
Appearance	: Cloudy light amber
Odour	: Characteristicodour

10. Stability and reactivity

Stability	: Consideredstable
Conditions to Avoid	: N/A
Incompatibility	: Incompatible with strong oxidising agents
Hazardous Decomposition	: Thermal decomposition may yield carbon monoxide and/or carbon dioxide.
Hazardous Polymerization	: Will not occur

11. Toxicological information

Oral toxicity (of liquid):	: LD50>5.0g/kg bodyweight (rat)
Biodegradability (including solvent):	: Ready biodegradable (84% after 28 days)

This product is classified as Non Toxic to fish.

12. Ecological information

Biodegradeability	: Readily biodegradeable
Bioaccumulation	: Likely to bioaccumulate
Mobility	: Water: insoluble. Spreads over the surface of water and will slowly evaporate and biodegrade slowly. Non toxic to aquatic organisms.
Soil	:Small volumes released on land would be absorbed in the upper layers and be biodegraded.
Volatile organic compounds (Weight)	: 67% of product contains VOCs.
CFCs	: CFC Free since 1981
Tins	: Contain 7% recycled steel and in turn are recyclable
Caps	: High density polypropylene which is recyclable
Corrugated	: Recyclable

13. Disposal considerations

Empty aerosol cans should not be punctured or incinerated. Bury in landfill. Oil based products should be disposed of to a licensed waste contractor. Any disposal route should comply with local bylaws and the requirements of environmental protection legislation.

14. Transport information

Proper Shipping Name:	: Aerosols
UN number	: 1950
UN class	: 2
Packing Group	: N/A

ADR/RID

Proper shipping name:	: Aerosols
UN number	: 1950
UN class	: 2
Classification code	: 5F
Packing group	: N/A

Hazard Identification number	: None

IMO

Proper shipping name	: Aerosols
UN number	: 1950
UN class	: 2
Packing group	: N/A
Marine Pollutant	: No
EmS	: 2-13

15. Regulatory information

EU Regulations according to 1999/45/EC

Risk Phrases R1	:Flammable, R66 - Repeated exposure may cause skin dryness or cracking.
Safety Phrases:	:S2 - Keep out of reach of children. S23 - Do not breathe gas/fumes/vapour/spray. S24 - Avoid contact with skin.

16. 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 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 Rx Marine International 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.

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