

JOHN ASTLEY & SONS LTD

MATERIAL SAFETY DATA SHEET

53231 – 53232

28/03/2007

WD-40 AEROSOL

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

Product Name: WD-40 aerosol

Product stock code/s: 53231-53232

Product Description: Organic mixture of highly refined mineral oil distillates of special composition, which repels moisture, prevents corrosion, cleans and lubricates.

Manufacturer: WD-40 Company Limited, PO Box 440, Kiln Farm,
Milton Keynes, MK11 3LF
Tel: 01908 555400 Fax: 01908 266900

Distributor: John Astley & Sons Ltd,
Renown Avenue,
Coventry Business Park,
Coventry, CV5 6UF
Tel: (024) 7685 4545. Fax: (024) 7685 4515. E-mail: sales@astleys.co.uk

2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition: A mixture of hydrocarbon solvent and mineral oil

Ingredients Classified Under CHIP Regulations*

Substance	CAS No	Content	Classification
White spirit	64742-82-1	67%	R10
Mineral oil	64742-65-0	21%	
Carbon dioxide	124-38-9	2-3%	

3. HAZARDS IDENTIFICATION

Flash point: Tag open cup 43°Celsius (minimum)

Flammable limits: (Lel) 1.0% (Uel) 6.0% (Solvent portion)

Extinguishing media: CO², dry chemical, foam

**Special fire
Fighting procedures:** See section 5

**Unusual fire &
Explosion hazards:** Flammable

Health /Routes of Entry

Threshold limit value: Hydrocarbon solvent lowest TLV (100ppm)

Carcinogenic: The product has been assessed by independent laboratories 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

DANGER: If swallowed can enter lungs and may cause chemical pneumonia.
Do not induce vomiting
Obtain medical assistance

WD-40 AEROSOL**4. FIRST AID MEASURES**

- Skin contact:** Wash copiously with soap and water, remove contaminated clothing, including shoes and laundry before re-use.
If skin irritation develops seek immediate medical attention.
- Eye contact:** 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:** Ensure that airways are clear and unobstructed. Keep warm and at rest.
If there is any difficulty in breathing, or vomiting has occurred obtain medical attention urgently.
If breathing stops or shows signs of failing, apply mouth to mouth ventilation.
- Ingestion:** DO NOT induce vomiting. Seek medical help must be obtained urgently.
- General:** In all cases of doubt, or when symptoms persist, seek medical attention.
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

- Extinguishing Media:** Use Carbon dioxide (CO²). Powder. Do not use water.
- Special precautions:** Keep run-off water out of sewers and water sources. Dike for water control.
Cool containers exposed to fire with water spray.
Use full protective equipment including self-contained breathing apparatus.
Over exposure to decomposition products may cause a health hazard.
Symptoms may not be immediately apparent.
- Unusual Fire & Explosion Hazards:** Fire will produce dense black smoke containing hazardous products of combustion.

6. ACCIDENTAL RELEASE MEASURES**Precautions to Protect Environment:**

- Small 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 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,

WD-40 AEROSOL**7. HANDLING AND STORAGE****Handling Information:**

Ventilation: Must be sufficient to keep solvent vapour less than TLV

Respiratory protection: 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: Users are advised to wear protection to guard against potential eye contact.

Other

Protection Equipment: None required.

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°C. 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/PERSONAL PROTECTION

General: Keep product away from sources of ignition, avoid excessive inhalation of spray particles, do not puncture or store container above 50°C, 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: (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*

Appearance: Cloudy light amber
Odour: Characteristic odour
Solubility: Insoluble with water.
Boiling Point: Not applicable
Density: (air = 1) Greater than 1
Volatile volume: (by weight) 78%
Vapour pressure: 100+/-5psi at 21°C

*These figures are typical and do not constitute a specification

10. STABILITY AND REACTIVITY

Stability: Considered stable.
Conditions to avoid: Extremes of temperature
Materials to avoid: Strong oxidizing agents. Strong reducing agents. Strong acids.
Hazardous decomposition: Thermal decomposition may yield carbon monoxide and/or carbon dioxide.
Hazardous polymerisation: Will not occur

WD-40 AEROSOL**11. TOXICOLOGICAL INFORMATION**

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

12. ECOLOGICAL INFORMATION

VOCs (Weight): 67% of product contains VOCs. (Volatile organic compounds).
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. WASTE DISPOSAL

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

By sea: "Aerosols" Class 2 UN119SQ, Marine Pollutant
By road: "Aerosols" UN119 Class 2 item 5F ADR

15. REGULATORY INFORMATION

Classification: R-10 Flammable

Chemical (Hazard Information and Packaging Regulation) 1994 No 3247 and Amendment 1996 No.1092
Council Directive 88/379/EEC of 7 June 1988 relating to the Classification of Packaging and Council Directive 75/324/EEC Relating to Aerosol Dispensers and Amendment 94/1/EC: Classified as FLAMMABLE

Safety Phrases: S-2 Keep out of reach of children.
S-24/25 Avoid contact with skin and eyes.
S-23 Do not breathe gas/fumes/vapour/spray.
S-16 Keep away from sources of ignition. - No smoking.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.
Do not pierce or burn containers after use. Do not spray on naked flame or any incandescent material.

16. OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable. However, the data is provided without warranty, expressed or implied. It is the user's responsibility both to determine safe conditions for use of this product and assume loss damage or expense, direct or consequential, arising from its use. Before using the product, read information printed on the label.

This product is manufactured according to Amended Aerosol Directive (75/324/EEC and 94/1/EC).

The data in this Safety Data Sheet has been supplied for the purpose of protecting the health and safety of industrial users who are deemed capable of understanding and acting on the information provided. Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.

Issued: January 2006