

COSHH Risk Assessment

Control of Substances Hazardous to Health Regulations 2002



All substances classified as 'Hazardous to Health', in accordance with the Control of Substances Hazardous to Health Regulations, must be suitably risk assessed.

Prior to completing this assessment, consideration should first be given to;

1. Eliminating the hazardous substance and therefore the need to complete an assessment.
2. Substituting the hazardous substance for a less hazardous one and therefore reducing the risk.

Section 1

Product identification

| | |
|---|--|
| Product Name/Hazardous Substance; | WD-40 Multi-use Product. |
| Description of Substance | Lubricant |
| Task/Activity/Process Substance is used, applied or generated: | On-going borehole maintenance, to keep bolts and other fitting lubricated. Also use to assist in freeing seized bolts. |

What is the likelihood of harm occurring if the substance is used INCORRECTLY?

Low risk

Medium risk

High risk

Section 2

Hazard identification

For those products labelled as 'Dangerous for Supply' i.e. the label contains one or more hazard warning symbols, the manufacture's/supplier's 'Material Safety Data Sheet' (MSDS) must be obtained and used to complete this assessment;

Is the product Labelled as 'Dangerous for Supply'? Yes No *If 'No' go to Section 3*

If 'Yes', state the category;

| | | |
|--|--|--|
|  <input type="checkbox"/> Acute Toxicity |  <input type="checkbox"/> Corrosive |  <input checked="" type="checkbox"/> Health Hazard/ Hazardous to the Ozone Layer |
|  <input type="checkbox"/> Gas Under Pressure |  <input type="checkbox"/> Serious health hazard |  <input type="checkbox"/> Explosive |
|  <input type="checkbox"/> Oxidising |  <input checked="" type="checkbox"/> Flammable |  <input type="checkbox"/> Hazardous to the environment |

Has a current copy of the product MSDS been attached to this assessment? Yes No

Authorised by: Chief Executive Officer
Issued by: GB
Issue: 02

Date of Issue: 26th July 2016
Page 1 of 6

Document control: EMS 5-COSHH Assessment Template and Guidance-FA-DOC-190-GB-1

List the Risk Phrases identified on the MSDS (in full);

- 10 Flammable
- 65 Harmful: may cause lung damage if swallowed
- 66 Repeated exposure may cause skin dryness or cracking
- 67 Vapours may cause drowsiness and dizziness

List the Safety Phrases identified on the MSDS (in full);

- 23 Do not breath vapour/spray
- 24 Avoid contact with skin
- H226 Flammable liquid and vapour
- H304 May be fatal if swallowed and enters airways
- H336 May cause drowsiness or dizziness

Section 3

Identify the particular groups at risk

| | | | | |
|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Employees | Public | Contractors | Visitors | Pregnant Workers |
| <input type="checkbox"/> | <i>please specify</i> ADD TEXT HERE | | | |
| Others | | | | |

Is there a Workplace Exposure Limit (WEL)?
If 'Yes' provide details;
800 mg/m3

Yes No

Is health surveillance or monitoring required?
If 'Yes' provide details;

Yes No

Section 4

Form of the Hazardous Substance

| | | | | | | | | |
|--------------------------|--------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Gas | Vapour | Mist | Fume | Dust | Liquid | Solid | Smoke | Fibre |
| <input type="checkbox"/> | <i>please specify</i> Aerosol | | | | | | | |
| Others | | | | | | | | |

Routes of exposure associated with the Hazardous Substance

| | | | | |
|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Inhalation | Contact/Absorption; on; Skin | Contact/Absorption; Eyes | Ingestion | Injection |

Authorised by: Chief Executive Officer
Issued by: GB
Issue: 02

Date of Issue: 26th July 2016
Page 2 of 6

Document control: EMS 5-COSHH Assessment Template and Guidance-FA-DOC-190-GB-1

Section 5

Control Measures: *(apply the Hierarchy of Control and principles of good practice, see guidance notes).*

Ensure good ventilation, if this cannot be provided then suitable breathing protection should be worn.

General hygiene measures for handling the product, wash hands before eating drinking or smoking

Wear goggles when using the product

Skin protection, nitrile gloves (0.4mm thickness)

Do not use near naked flames

Personal Protective Equipment to be used (please state type and standard)

| | | | |
|---|----------------------------|---|--|
|  <input type="checkbox"/> Filter Mask | |  <input type="checkbox"/> Visor | |
|  <input type="checkbox"/> Respirator | |  <input checked="" type="checkbox"/> Goggles | Tight fitting goggles with side protection |
|  <input checked="" type="checkbox"/> Gloves | Nitrile gloves 0.4mm thick |  <input type="checkbox"/> Overalls | |
|  <input type="checkbox"/> Footwear | | <input type="checkbox"/> Other | |

Action required

How will employees be informed of the assessment?
(ensure that a suitable record of the process is maintained)

Verbally*

Written

Please specify:

To be included in environmental monitoring procedures and members of staff to be briefed on using product before use.

It is poor practice to **only issue written guidance*

Is specific training required?

Yes

No

If 'Yes' provide details:

ADD TEXT HERE

Section 6

First Aid Measures *(take into consideration the 'routes of exposure')*

Inhalation

Supply person with fresh air

Remove person from danger area

Respiratory arrest, call 999

Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor

Eye contact

Remove contact lenses

Wash thoroughly using copious water, seek medical help if necessary

Ingestion

Rinse the mouth thoroughly with water

Consult doctor immediately, keep data sheet available

Do not induce vomiting

Danger of aspiration

Authorised by: Chief Executive Officer

Issued by: GB

Issue: 02

Date of Issue: 26th July 2016

Page 3 of 6

Document control: EMS 5-COSHH Assessment Template and Guidance-FA-DOC-190-GB-1

Storage

Ensure good ventilation
Keep away from sources of ignition, do not smoke
Do not use on hot surfaces
Observe direction on label and instructions for use
Use working methods according to operating instructions
Take measures against electrostatic charging, if appropriate

Fire Precautions

Do not extinguish with water, use foam, CO2 or extinction powder

Transport

Quantity of material being carried is classed as an LQ under ADR 2015. The material is purchased in consumer packaged amounts and is therefore exempt from ADR 2015 and the Carriage of Dangerous Goods Regulations.

Spillage

Soak up with absorbent material and dispose in accordance with section below.

Waste Disposal

Recommended waste codes for the product are 16 05 04. Sewerage disposal should be discouraged.

Assessed by: Graeme Bell

Date: 17/08/2016

Review Date**: 17/08/2021

Reviewed by: Tony Byers

Date: 18/08/16

Review Date**: 18/08/2021

Approved by: Tony Byers

Date: 18/08/16

Review Date**: 18/08/2021

***The assessment should be reviewed under the following circumstances;*

There is reason to suspect that the assessment is no longer valid. There has been significant change in the work to which the assessment relates; or in any case every 5 years.

Authorised by: Chief Executive Officer
Issued by: GB
Issue: 02

Date of Issue: 26th July 2016
Page 4 of 6

Document control: EMS 5-COSHH Assessment Template and Guidance-FA-DOC-190-GB-1

COSHH Risk Assessment

Guidance for Completion

What is a hazardous substance

All substances classified as Hazardous to Health in accordance with the Regulations must be suitably risk assessed. (See Section 2)

Please note that the new international symbols have replaced the old orange square symbols. However, you may still find some with the old pictograms until 1 June 2017.



Very toxic



Toxic



Corrosive



Harmful



Irritant

- Have a Workplace Exposure Limit (WEL)
- Any other dusty process or exposure other than those with a WEL
- Biological agent used at work
- Any substance that creates a risk to health because of its properties and the way it is used or is presented in the workplace

Routes of Exposure

Inhalation Once inhaled, some substances can affect the nose, throat, and lungs. Should a substance enter the lungs, it may also pass into the circulatory system where it may affect other areas of the body.

Absorption Some substances affect the skin directly; others may pass through the skin, or enter the body through cuts/abrasions. Some may also be absorbed through the eyes.

Ingestion People transfer chemicals from their hands to their mouths by eating, smoking etc. due to failing to wash their hands.

Puncture Through accidental puncture of the skin e.g. sharp objects contaminated with chemicals.

Principles of good control practice

- Design and operate processes and activities to minimise emission, release and spread of substances hazardous to health.
- Take into account all relevant routes of exposure – inhalation, skin absorption and ingestion – when developing control measures.
- Control exposure by measures that are proportionate to the health risk.
- Choose the most effective and reliable control options, which minimise the escape and spread of substances hazardous to health.
- Where adequate control of exposure cannot be achieved by other means, provide, in combination with other control measures, suitable personal protective equipment.
- Check and review regularly all elements of control measures for their continuing effectiveness.
- Inform and train all employees on the hazards and risk from the substances they work with and the use of control measures developed to minimise the risks.
- Ensure that the introduction of control measures does not increase the overall risk to health and safety.

Further Information

Further guidance on COSHH assessments is available in HSE publication INDG136 (<http://www.hse.gov.uk/pubns/indg136.pdf>)

Authorised by: Chief Executive Officer
Issued by: GB
Issue: 02

Date of Issue: 26th July 2016
Page 6 of 6

Document control: EMS 5-COSHH Assessment Template and Guidance-FA-DOC-190-GB-1