



# SAFETY DATA SHEET



## SHELL X-100 20W-50 CLASSIC MOTOR OIL

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name Shell X-100 20w/50 Classic Motor Oil  
 Product No. 7355-25  
 Internal Id 10818

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Engine oil.

#### 1.3. Details of the supplier of the safety data sheet

Supplier Heritage Fuels & Lubricants Ltd.  
 Greenlands, Kings Drive,  
 Midhurst, West Sussex  
 GU29 0BJ  
 +44 (0)1730 813030

#### 1.4. Emergency telephone number

01782 417893

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Not classified.

#### 2.2. Label elements

Risk Phrases NC Not classified.

Safety Phrases P13 Safety data sheet available for professional user on request.  
 P14 Contains Calcium long chain alkaryl sulphonate . May produce an allergic reaction.

#### 2.3. Other hazards

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

Branch Alkylphenol, and Calcium branched alkylphenol		< 1%
CAS-No.:	EC No.:	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Repr. 2 - H361f Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Repr. Cat. 3;R62. Xi;R38. N;R50/53.	

# Shell X-100 20w/50 Classic Motor Oil

Calcium long chain alkaryl sulphonate	< 1%	
CAS-No.: 2906-36-7	EC No.: 271-877-7	
Classification (EC 1272/2008) Skin Sens. 1 - H317 Aquatic Chronic 4 - H413	Classification (67/548/EEC) R53,R43.	
Distillates (petroleum) solvent-dewaxed heavy paraffinic	60-100%	
CAS-No.:	EC No.:	Registration Number: 01-2119471299-27
A petroleum product. DMSO extract < 3 % weight ( IP 346 )		
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	
Polyolefin polyamine succinimide, polyol	1-5%	
CAS-No.:	EC No.:	
Classification (EC 1272/2008) Aquatic Chronic 4 - H413	Classification (67/548/EEC) R53.	
zinc alkyl dithiophosphate	< 1%	
CAS-No.:	EC No.: 272-028-3	
Classification (EC 1272/2008) Eye Dam. 1 - H318 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xi;R41. N;R51/53.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## Ingredient notes

A petroleum product. DMSO extract < 3 % weight ( IP 346 )

## Composition Comments

The data shown are in accordance with the latest EC Directives.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General information

Get medical attention if any discomfort continues.

#### Inhalation

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues. Ingestion

Do not induce vomiting. Get medical attention immediately!

#### Skin contact

Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing. Launder before re-use.

#### Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for 30 minutes. Get medical attention if any discomfort continues.

### 4.2. Most important symptoms and effects, both acute and delayed

#### General information

Refer to section 11 for other effects.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically

**SECTION 5: FIREFIGHTING MEASURES**

**5.1. Extinguishing media**

Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture**

Unusual Fire & Explosion Hazards

Heat from fire could result in drums bursting

Specific hazards

When heated and in case of fire, harmful vapours/gases may be formed.

**5.3. Advice for firefighters**

Special Fire Fighting Procedures

Keep run-off water out of sewers and water sources. Dike for water control.

Protective equipment for fire-fighters

Use air-supplied respirator, gloves and protective goggles.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

In case of spills, beware of slippery floors and surfaces. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation.

**6.2. Environmental precautions**

Contain spillages with sand, earth or any suitable adsorbent material. Do not allow to enter drains, sewers or watercourses.

**6.3. Methods and material for containment and cleaning up**

Contain spillage with sand or earth. Use sealed containers for reclamation or dispose of at a licenced hazardous waste collection point. Avoid contact with water. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. In case of spillage on water prevent the spread by use of suitable barrier equipment

**6.4. Reference to other sections**

For personal protection, see section 8. For waste disposal, see section 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Avoid spilling, skin and eye contact. Always remove oil with soap and water or skin cleaning agent, never use organic solvents. Do not use oil-contaminated clothing or shoes, and do not put rags moistened with oil into pockets. Observe occupational exposure limits and minimise the risk of inhalation of vapours and mist.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

Storage Class

Miscellaneous hazardous material storage.

**7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
Distillates (petroleum) solvent-dewaxed heavy paraffinic	ACGIH		5 mg/m3		10 mg/m3	

ACGIH = American Conference of Governmental Industrial Hygienists.

Ingredient Comments

Contains mineral Oil: Under conditions that may generate mists, observe OSHA PEL of 5mg per cubic meter, ACGIH STEL of 10mg per cubic meter

## **8.2. Exposure controls**

Protective equipment:



Process conditions:

Use engineering controls to reduce air contamination to permissible exposure level.

Engineering measures:

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

Respiratory equipment:

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Hand protection:

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection:

If risk of splashing, wear safety goggles or face shield.

Other Protection:

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures:

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Skin protection:

Wear apron or protective clothing in case of contact.

Environmental Exposure Controls:

See section 6 for details

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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### **9.1. Information on basic physical and chemical properties**

Appearance	Liquid
Colour Odour	Brown. to Amber. Characteristic. Oil smell.
Initial boiling point and boiling range	>320
Melting point (°C)	<-20
Relative density	0.884 15
Vapour density (air=1) Vapour pressure	>1 <0.1 kPa 20
Viscosity	151 cSt 40
Flash point	>160 PM Closed cup.
Auto Ignition Temperature (°C)	>320

### **9.2. Other information**

## **SECTION 10: STABILITY AND REACTIVITY**

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### **10.1. Reactivity**

No specific reactivity hazards associated with this product.

### **10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

### **10.3. Possibility of hazardous reactions**

Will not occur

### **10.4. Conditions to avoid**

Avoid excessive heat for prolonged periods of time.

### **10.5. Incompatible materials**

Materials To Avoid

Strong oxidising substances. Strong acids. Strong alkalis.

### **10.6. Hazardous decomposition products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: TOXICOLOGICAL INFORMATION

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### 11.1. Information on toxicological effects

Toxic Dose 1 - LD 50  
> 10, 000 mg/kg (oral rat)

Acute toxicity:

Acute Toxicity (Oral LD50)  
10000 mg/kg Rat

Acute Toxicity (Dermal LD50)  
2000 mg/kg Rat

Serious eye damage/irritation:

Not expected to cause eye irritation. Based on data from similar materials. Vapours may cause irritation

Respiratory or skin sensitisation:

Respiratory sensitisation  
No information available.  
No data available to indicate product or components may be respiratory sensitizers.

Carcinogenicity:

Carcinogenicity  
No information available.  
This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP346 test

Reproductive Toxicity:

Reproductive Toxicity - Fertility  
No information available.  
No data available to indicate either product or compounds present at greater than 0.1% may cause reproductive toxicity

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure  
No information available.  
No data available to indicate product or components present at greater than 1.0% are chronic health hazards

General information

This product has low toxicity. Only large volumes may have adverse impact on human health.

Inhalation

Unlikely to be hazardous by inhalation because of the low vapour pressure of the substance at ambient temperature.

Ingestion

May cause discomfort if swallowed.

Skin contact

May cause sensitisation by skin contact.

Eye contact

Spray and vapour in the eyes may cause irritation and smarting.

Specific effects

Prolonged or repeated contact with used oil may cause serious skin diseases, such as dermatitis.

## SECTION 12: ECOLOGICAL INFORMATION

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Ecotoxicity

It is unlikely that the substance will dissolve in water in amounts big enough to have a toxic effect on fish and daphnias.

### 12.1. Toxicity

Not determined.

**12.2. Persistence and degradability**

Degradability

The product is not readily biodegradable.

**12.3. Bioaccumulative potential**

Bioaccumulative potential

Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

**12.4. Mobility in soil**

Mobility:

The product is non-volatile. The product is insoluble in water and will spread on the water surface.

**12.5. Results of PBT and vPvB assessment** Not

available

**12.6. Other adverse effects**

None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

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General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

**13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

**SECTION 14: TRANSPORT INFORMATION**

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General	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
Road Transport Notes	Not Classified
Rail Transport Notes Sea	Not classified.
Transport Notes Air	Not classified.
Transport Notes	Not classified.

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

Not applicable.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant No.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

## SECTION 15: REGULATORY INFORMATION

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### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Uk Regulatory References

Health and Safety at Work Act 1974.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations. Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC.

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

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Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date 19/12/2012

Revision 2

Supersedes date Risk 28/05/2009

Phrases In Full

R38 Irritating to skin.

R53 May cause long-term adverse effects in the aquatic environment.

R43 May cause sensitisation by skin contact.

NC R62 Not classified.

R41 Possible risk of impaired fertility.

R51/53 Risk of serious damage to eyes.

R50/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H318 Causes serious eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H413 May cause long lasting harmful effects to aquatic life.

H361f Suspected of damaging fertility.

H411 Toxic to aquatic life with long lasting effects.

H410 Very toxic to aquatic life with long lasting effects. Very

H400 toxic to aquatic life.

### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.