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|---------------------------------|--|------------------------|
| SECTION 1. IDENTIFICATION       |  |                        |
| Product name                    | : Shell Gadus S1 OG 1600   |                        |
| Product code                    | : 001D8478   |                        |
| Manufacturer or supplier's      | details  |                        |
| Manufacturer/Supplier           | <ul> <li>Shell Oil Products US</li> <li>PO Box 4427</li> <li>Houston TX 77210-4427</li> <li>USA</li> </ul> |                        |
| SDS Request<br>Customer Service | : (+1) 877-276-7285<br>:   |                        |
| Emergency telephone num         | ber  |                        |
| Spill Information               | : 877-504-9351   |                        |
| Health Information              | : 877-242-7400   |                        |
| Recommended use of the c        | hemical and restrictions on use  |                        |
| Recommended use                 | : Automotive and industrial grease.  |                        |

### **SECTION 2. HAZARDS IDENTIFICATION**

### **GHS Classification**

Not a hazardous substance or mixture.

#### **GHS** label elements

| Hazard pictograms        | : No Hazard Symbol required  |
|--------------------------|--|
| Signal word              | : No signal word   |
| Hazard statements        | <ul> <li>PHYSICAL HAZARDS:<br/>Not classified as a physical hazard under GHS criteria.<br/>HEALTH HAZARDS:<br/>Not classified as a health hazard under GHS criteria.<br/>ENVIRONMENTAL HAZARDS:<br/>Not classified as an environmental hazard under GHS criteria.</li> </ul> |
| Precautionary statements | <ul> <li>Prevention:<br/>No precautionary phrases.</li> <li>Response:<br/>No precautionary phrases.</li> <li>Storage:<br/>No precautionary phrases.</li> <li>Disposal:<br/>No precautionary phrases.</li> </ul>  |

### Other hazards which do not result in classification

Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.

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|             |                           |                        |

Used grease may contain harmful impurities.

High-pressure injection under the skin may cause serious damage including local necrosis. Not classified as flammable but will burn.

The classification of this material is based on OSHA HCS 2012 criteria.

Under normal conditions of use or in a foreseeable emergency, this product does not meet the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical nature | <ul> <li>A lubricant consisting of highly refined mineral oil, bitumen<br/>and additives.</li> <li>The highly refined mineral oil contains &lt;3% (w/w) DMSO-<br/>extract, according to IP346.</li> </ul> |
|-----------------|---|
|                 | exilaci, according to 17 540.   |

#### Hazardous components

| Chemical name                                  | Synonyms  | CAS-No.    | Concentration (%) |
|--|---|------------|-------------------|
| Distillates (petroleum),<br>hydrotreated light | Distillates (petrole-<br>um), hydrotreated<br>light | 64742-47-8 | 20 - 30           |
| Zinc carboxylate                               | Hexanoic acid, 2-<br>ethyl-, zinc salt,<br>basic    | 85203-81-2 | 1 - 5             |
| Mercaptothiadiazole deriv-<br>ative            |   | 72676-55-2 | 1 - 1.49          |
| Amine phosphate                                |   | 91745-46-9 | 0.1 - 0.9         |

#### **SECTION 4. FIRST-AID MEASURES**

| General advice          | : | Not expected to be a health hazard when used under normal conditions.   |
|-------------------------|---|---|
| If inhaled              | : | No treatment necessary under normal conditions of use.<br>If symptoms persist, obtain medical advice.   |
| In case of skin contact | : | Remove contaminated clothing. Flush exposed area with wa-<br>ter and follow by washing with soap if available.<br>If persistent irritation occurs, obtain medical attention.  |
|                         |   | When using high pressure equipment, injection of product<br>under the skin can occur. If high pressure injuries occur, the<br>casualty should be sent immediately to a hospital. Do not wait<br>for symptoms to develop.<br>Obtain medical attention even in the absence of apparent<br>wounds. |
| In case of eye contact  | : | Flush eye with copious quantities of water.<br>If persistent irritation occurs, obtain medical attention.   |
| If swallowed            | : | In general no treatment is necessary unless large quantities  |

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|   | are swallowed, however, get me   | dical advice.  |
| Most important symptoms<br>and effects, both acute and<br>delayed | : Oil acne/folliculitis signs and sym<br>of black pustules and spots on the<br>Ingestion may result in nausea, v<br>Local necrosis is evidenced by d<br>tissue damage a few hours follow   | he skin of exposed areas.<br>vomiting and/or diarrhoea.<br>lelayed onset of pain and   |
| Protection of first-aiders  | : When administering first aid, ens<br>appropriate personal protective e<br>incident, injury and surroundings  | equipment according to the   |
| Immediate medical attention, special treatment                    | : Treat symptomatically.   |  |
|   | High pressure injection injuries revention and possibly steroid ther age and loss of function.<br>Because entry wounds are small ousness of the underlying damaged determine the extent of involvem anaesthetics or hot soaks should can contribute to swelling, vasos surgical decompression, debride eign material should be performed ics, and wide exploration is esse | apy, to minimise tissue dam-<br>l and do not reflect the seri-<br>ge, surgical exploration to<br>nent may be necessary. Local<br>d be avoided because they<br>spasm and ischaemia. Prompt<br>ement and evacuation of for-<br>ed under general anaesthet- |

### SECTION 5. FIRE-FIGHTING MEASURES

| Suitable extinguishing media                  | : | Foam, water spray or fog. Dry chemical powder, carbon diox-<br>ide, sand or earth may be used for small fires only.   |
|---|---|---|
| Unsuitable extinguishing media                | : | Do not use water in a jet.  |
| Specific hazards during fire-<br>fighting     | : | Hazardous combustion products may include:<br>A complex mixture of airborne solid and liquid particulates and<br>gases (smoke).<br>Carbon monoxide may be evolved if incomplete combustion<br>occurs.<br>Unidentified organic and inorganic compounds.  |
| Specific extinguishing meth-<br>ods           | : | Use extinguishing measures that are appropriate to local cir-<br>cumstances and the surrounding environment.  |
| Special protective equipment for firefighters | : | Proper protective equipment including chemical resistant<br>gloves are to be worn; chemical resistant suit is indicated if<br>large contact with spilled product is expected. Self-Contained<br>Breathing Apparatus must be worn when approaching a fire in<br>a confined space. Select fire fighter's clothing approved to<br>relevant Standards (e.g. Europe: EN469). |

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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| Personal precautions, protec-<br>tive equipment and emer-<br>gency procedures | : Avoid contact with skin and eyes.   |                          |
| Environmental precautions   | : Use appropriate containment to avoid nation. Prevent from spreading or ent rivers by using sand, earth, or other a                                | ering drains, ditches or |
| Methods and materials for containment and cleaning up                         | : Prevent from spreading or entering in ers by using sand, earth, or other app  |                          |
| Additional advice   | : For guidance on selection of persona<br>see Chapter 8 of this Safety Data She<br>For guidance on disposal of spilled m<br>this Safety Data Sheet. | eet.                     |

# SECTION 7. HANDLING AND STORAGE

| Technical measures            | : | Use local exhaust ventilation if there is risk of inhalation of vapours, mists or aerosols.<br>Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.                 |
|-------------------------------|---|---|
| Precautions for safe handling | : | Avoid prolonged or repeated contact with skin.<br>Avoid inhaling vapour and/or mists.<br>When handling product in drums, safety footwear should be<br>worn and proper handling equipment should be used.<br>Properly dispose of any contaminated rags or cleaning mate-<br>rials in order to prevent fires. |
| Avoidance of contact          | : | Strong oxidising agents.  |
| Storage                       |   |   |
| Other data                    | : | Keep container tightly closed and in a cool, well-ventilated place.<br>Use properly labeled and closable containers.  |
|                               |   | Store at ambient temperature.   |
| Packaging material            | : | Suitable material: For containers or container linings, use mild steel or high density polyethylene.<br>Unsuitable material: PVC.   |
| Container Advice              | : | Polyethylene containers should not be exposed to high tem-<br>peratures because of possible risk of distortion.   |

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#### SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### Components with workplace control parameters

| Components        | CAS-No.      | Value type<br>(Form of<br>exposure)  | Control parame-<br>ters / Permissible<br>concentration | Basis                                  |
|-------------------|--------------|--------------------------------------|--|--|
| Oil mist, mineral | Not Assigned | TWA ((inhal-<br>able frac-<br>tion)) | 5 mg/m3  | US. ACGIH<br>Threshold<br>Limit Values |
|                   |              | (Mist)                               | 5 mg/m3  | OSHA_TRA<br>NS                         |
|                   |              | TWA (Mist)                           | 5 mg/m3  | OSHA Z-1                               |
|                   |              | TWA (Inhal-<br>able fraction)        | 5 mg/m3  | ACGIH                                  |

#### **Biological occupational exposure limits**

No biological limit allocated.

#### **Monitoring Methods**

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. For some substances biological monitoring may also be appropriate.

Validated exposure measurement methods should be applied by a competent person and samples analysed by an accredited laboratory.

Examples of sources of recommended exposure measurement methods are given below or contact the supplier. Further national methods may be available.

National Institute of Occupational Safety and Health (NIOSH), USA: Manual of Analytical Methods http://www.cdc.gov/niosh/

Occupational Safety and Health Administration (OSHA), USA: Sampling and Analytical Methods http://www.osha.gov/

Health and Safety Executive (HSE), UK: Methods for the Determination of Hazardous Substances http://www.hse.gov.uk/

Institut für Arbeitsschutz Deutschen Gesetzlichen Unfallversicherung (IFA), Germany http://www.dguv.de/inhalt/index.jsp

L'Institut National de Recherche et de Securité, (INRS), France http://www.inrs.fr/accueil

| Engineering measures | <ul> <li>The level of protection and types of controls necessary will<br/>vary depending upon potential exposure conditions. Select<br/>controls based on a risk assessment of local circumstances.<br/>Appropriate measures include:<br/>Adequate ventilation to control airborne concentrations.</li> </ul>  |
|----------------------|--|
|                      | Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.  |
|                      | General Information:<br>Define procedures for safe handling and maintenance of<br>controls.<br>Educate and train workers in the hazards and control<br>measures relevant to normal activities associated with this<br>product.<br>Ensure appropriate selection, testing and maintenance of<br>equipment used to control exposure, e.g. personal protective |

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|                           | equipment, local exhaust ventila<br>Drain down system prior to equ<br>nance.<br>Retain drain downs in sealed st<br>subsequent recycle.<br>Always observe good personal<br>washing hands after handling th<br>drinking, and/or smoking. Rout<br>protective equipment to remove<br>taminated clothing and footwea<br>Practice good housekeeping.<br>Due to the product's semi-solid  | ipment break-in or mainte-<br>corage pending disposal or<br>hygiene measures, such as<br>ne material and before eating,<br>inely wash work clothing and<br>e contaminants. Discard con-<br>r that cannot be cleaned.   |
|                           | mists and dusts is unlikely to oc  |  |
| Personal protective equip | oment  |  |
| Respiratory protection    | <ul> <li>No respiratory protection is ordiconditions of use.</li> <li>In accordance with good industrations should be taken to avoid be lif engineering controls do not mations to a level which is adequated select respiratory protection equilibrium conditions of use and meet Check with respiratory protective Where air-filtering respirators and priate combination of mask and Select a filter suitable for the conditions [Type A/Type P between the conditions of use and the conditions [Type A/Type P between the conditions of use and the conditions [Type A/Type P between the conditions of use and the conditions of the con</li></ul> | rial hygiene practices, precau-<br>preathing of material.<br>naintain airborne concentra-<br>te to protect worker health,<br>uipment suitable for the spe-<br>ting relevant legislation.<br>re equipment suppliers.<br>re suitable, select an appro-<br>filter.  |
| Hand protection           |  |  |
| Remarks                   | : Where hand contact with the pr<br>gloves approved to relevant sta<br>US: F739) made from the follow<br>suitable chemical protection. PV<br>gloves Suitability and durability<br>usage, e.g. frequency and dura<br>sistance of glove material, dexte<br>glove suppliers. Contaminated g<br>Personal hygiene is a key elem<br>Gloves must only be worn on cl<br>gloves, hands should be washe<br>cation of a non-perfumed moiste<br>For continuous contact we reco<br>through time of more than 240 r<br>480 minutes where suitable gloves<br>short-term/splash protection we<br>recognize that suitable gloves of<br>may not be available and in this<br>time maybe acceptable so long<br>and replacement regimes are for<br>a good predictor of glove resista<br>dependent on the exact compose<br>Glove thickness should be typic   | ndards (e.g. Europe: EN374,<br>ving materials may provide<br>/C, neoprene or nitrile rubber<br>of a glove is dependent on<br>tion of contact, chemical re-<br>erity. Always seek advice from<br>gloves should be replaced.<br>ent of effective hand care.<br>ean hands. After using<br>ed and dried thoroughly. Appli-<br>urizer is recommended.<br>mmend gloves with break-<br>minutes with preference for ><br>ves can be identified. For<br>e recommend the same, but<br>offering this level of protection<br>as appropriate maintenance<br>ollowed. Glove thickness is not<br>ance to a chemical as it is<br>sition of the glove material. |

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|                                 | depending on the glove make a   | nd model.   |
| Eye protection                  | : If material is handled such that in protective eyewear is recommer  |   |
| Skin and body protection        | <ul> <li>Skin protection is not ordinarily r<br/>work clothes.</li> <li>It is good practice to wear chem</li> </ul>   |   |
| Thermal hazards                 | : Not applicable  |   |
| Protective measures             | : Personal protective equipment (<br>mended national standards. Che   |   |
| Environmental exposure controls |   |   |
| General advice                  | : Take appropriate measures to fur-<br>vant environmental protection le<br>of the environment by following a<br>necessary, prevent undissolved<br>charged to waste water. Waste<br>municipal or industrial waste wa<br>discharge to surface water.<br>Local guidelines on emission lim<br>must be observed for the dischar<br>vapour. | gislation. Avoid contamination<br>advice given in Chapter 6. If<br>material from being dis-<br>water should be treated in a<br>ter treatment plant before<br>nits for volatile substances |

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| Appearance                              | : Semi-solid at ambient temperature.             |
|---|--|
| Colour                                  | : black  |
| Odour                                   | : Slight hydrocarbon                             |
| Odour Threshold                         | : Data not available                             |
| рН                                      | : Not applicable                                 |
| Initial boiling point and boiling range | : Data not available                             |
| Flash point                             | : 110 °C / 230 °F<br>Method: ASTM D92 (COC)      |
| Evaporation rate                        | : Data not available                             |
| Flammability (solid, gas)               | : Data not available                             |
| Upper explosion limit                   | : Typical 10 %(V)                                |
| Lower explosion limit                   | : Typical 1 %(V)                                 |
| Vapour pressure                         | : < 0.5 Pa (20 °C / 68 °F)<br>estimated value(s) |

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|  |  |                          |
| Relative vapour density                    | : > 1estimated value(s)                                |                          |
| Relative density                           | : 0.967 (15 °C / 59 °F)                                |                          |
|  |  |                          |
| Density                                    | : 967 kg/m3 (15.0 °C / 59.0 °F)<br>Method: Unspecified |                          |
|  |  |                          |
| Solubility(ies)<br>Water solubility        | : negligible   |                          |
|  |  |                          |
| Solubility in other solvents               | : Data not available                                   |                          |
| Partition coefficient: n-<br>octanol/water | : Pow: > 6(based on information                        | on similar products)     |
| Auto-ignition temperature                  | : ><br>320 °C / 608 °F                                 |                          |
|  | 320 C7000 F  |                          |
| Viscosity                                  |  |                          |
| Viscosity, dynamic                         | : Data not available                                   |                          |
| Viscosity, kinematic                       | : Not applicable                                       |                          |
| Explosive properties                       | : Not classified                                       |                          |
| Oxidizing properties                       | : Data not available                                   |                          |
| Conductivity                               | : This material is not expected to                     | be a static accumulator. |
| Decomposition temperature                  | : Data not available                                   |                          |
|  |  |                          |

### SECTION 10. STABILITY AND REACTIVITY

| Reactivity                              | : | The product does not pose any further reactivity hazards in addition to those listed in the following sub-paragraph. |
|---|---|--|
| Chemical stability                      | : | Stable.  |
| Possibility of hazardous reac-<br>tions | : | Reacts with strong oxidising agents.   |
| Conditions to avoid                     | : | Extremes of temperature and direct sunlight.   |
| Incompatible materials                  | : | Strong oxidising agents.   |
| Hazardous decomposition products        | : | Hazardous decomposition products are not expected to form during normal storage.                                     |

## SECTION 11. TOXICOLOGICAL INFORMATION

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| Basis for assessment | : Information given is based on data on<br>the toxicology of similar products.Unle<br>the data presented is representative of<br>whole, rather than for individual comp | ess indicated otherwise,<br>of the product as a |

#### Information on likely routes of exposure

Skin and eye contact are the primary routes of exposure although exposure may occur following accidental ingestion.

#### Acute toxicity

|--|

| Acute oral toxicity       | : LD50 (rat): > 5,000 mg/kg<br>Remarks: Expected to be of low toxicity:              |
|---------------------------|--|
| Acute inhalation toxicity | : Remarks: Not considered to be an inhalation hazard under normal conditions of use. |
| Acute dermal toxicity     | : LD50 (Rabbit): > 5,000 mg/kg<br>Remarks: Expected to be of low toxicity:           |

#### Skin corrosion/irritation

### Product:

Remarks: Expected to be slightly irritating., Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.

#### Serious eye damage/eye irritation

#### Product:

Remarks: Expected to be slightly irritating.

#### Components:

#### Amine phosphate:

Remarks: Based on available data, the classification criteria are not met.

#### Respiratory or skin sensitisation

#### Product:

Remarks: Not expected to be a skin sensitiser.

#### Components:

#### Mercaptothiadiazole derivative:

Remarks: May cause an allergic skin reaction in sensitive individuals.

#### Amine phosphate:

Remarks: Experimental data has shown that the concentration of potentially sensitising components present in this product does not induce skin sensitisation. May cause an allergic skin reaction in sensitive individuals.

#### Germ cell mutagenicity

#### Product:

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: Remarks: Not considered a mutagenic hazard.

#### Carcinogenicity

### Product:

Remarks: Not expected to be carcinogenic.

Remarks: Product contains mineral oils of types shown to be non-carcinogenic in animal skinpainting studies., Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC).

| IARC    | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |            |
|---------|---|------------|
| ACGIH   | Confirmed animal carcinogen with unknown relevance to hu-<br>mans   |            |
|         | Distillates (petroleum), hy-<br>drotreated light  | 64742-47-8 |
| OSHA    | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.             |            |
| NTP     | No component of this product present at levels great<br>equal to 0.1% is identified as a known or anticipated<br>by NTP.                                |            |
| IARC    |   |            |
| Asphalt | Occupational exposures to hard bitumens and their during mastic asphalt work are 'possibly carcinogen   |            |

| humans' (IARC Group 2B). |
|--------------------------|
|                          |

#### **Reproductive toxicity**

Product:

Remarks: Not expected to impair fertility., Not expected to be a developmental toxicant.

#### STOT - single exposure

#### Product:

Remarks: Not expected to be a hazard.

:

## STOT - repeated exposure

#### Product:

Remarks: Not expected to be a hazard.

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#### Aspiration toxicity

#### Product:

Not considered an aspiration hazard.

#### **Further information**

#### Product:

Remarks: Used grease may contain harmful impurities that have accumulated during use. The concentration of such harmful impurities will depend on use and they may present risks to health and the environment on disposal., ALL used grease should be handled with caution and skin contact avoided as far as possible.

Remarks: High pressure injection of product into the skin may lead to local necrosis if the product is not surgically removed.

Remarks: Slightly irritating to respiratory system.

#### **SECTION 12. ECOLOGICAL INFORMATION**

| Basis for assessment  | : | Ecotoxicological data have not been determined specifically<br>for this product.<br>Information given is based on a knowledge of the components<br>and the ecotoxicology of similar products.<br>Unless indicated otherwise, the data presented is representa-<br>tive of the product as a whole, rather than for individual com-<br>ponent(s).(LL/EL/IL50 expressed as the nominal amount of<br>product required to prepare aqueous test extract). |
|---|---|---|
| Ecotoxicity   |   |   |
| <u>Product:</u><br>Toxicity to fish (Acute toxici-<br>ty)               | : | Remarks: Expected to be practically non toxic:<br>LL/EL/IL50 > 100 mg/l   |
| Toxicity to daphnia and other aquatic invertebrates (Acute toxicity)    | : | Remarks: Expected to be practically non toxic:<br>LL/EL/IL50 > 100 mg/l   |
| Toxicity to algae (Acute tox-<br>icity)                                 | : | Remarks: Expected to be practically non toxic:<br>LL/EL/IL50 > 100 mg/l   |
| Toxicity to fish (Chronic tox-<br>icity)                                | : | Remarks: Data not available   |
| Toxicity to daphnia and other aquatic invertebrates (Chron-ic toxicity) | : | Remarks: Data not available   |
| Toxicity to bacteria (Acute toxicity)                                   | : | Remarks: Data not available   |

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| Persistence and degrada                 | ability  |   |
| Product:                                |  |   |
| Biodegradability                        | : Remarks: Expected to be not re<br>Major constituents are expected<br>ble, but contains components th<br>ment.  | d to be inherently biodegrada-                                  |
| Bioaccumulative potenti                 | al   |   |
| Product:                                |  |   |
| Bioaccumulation                         | : Remarks: Contains components cumulate.   | s with the potential to bioac-                                  |
| Mobility in soil                        |  |   |
| Product:                                |  |   |
| Mobility                                | : Remarks: Semi-solid under mos<br>If it enters soil, it will adsorb to s<br>mobile.   |   |
|   | Remarks: Floats on water.  |   |
| Other adverse effects no data available |  |   |
| Product:                                |  |   |
| Additional ecological information       | <ul> <li>Product is a mixture of non-vola<br/>expected to be released to air in<br/>Not expected to have ozone de<br/>cal ozone creation potential or g</li> </ul> | n any significant quantities.<br>pletion potential, photochemi- |
|   | Poorly soluble mixture.<br>May cause physical fouling of a   | iquatic organisms.  |
|   | Mineral oil is not expected to ca<br>aquatic organisms at concentra  |   |

## SECTION 13. DISPOSAL CONSIDERATIONS

| Disposal methods    |   |
|---------------------|---|
| Waste from residues | <ul> <li>Recover or recycle if possible.</li> <li>It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.</li> <li>Do not dispose into the environment, in drains or in water courses</li> </ul> |
|                     | Waste product should not be allowed to contaminate soil or ground water, or be disposed of into the environment.  |
| ) / 16              | 800001010361  |

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|------------------------------|--|---|--|
|                              | Waste, spills or used product is dangerous waste.  |   |  |
| Contaminated packaging       | : Dispose in accordance with prev<br>to a recognized collector or cont<br>the collector or contractor should<br>Disposal should be in accordance<br>national, and local laws and reg | ractor. The competence of d be established beforehand. ce with applicable regional, |  |
| Local legislation<br>Remarks | : Disposal should be in accordance<br>national, and local laws and reg   |   |  |

#### **SECTION 14. TRANSPORT INFORMATION**

#### **National Regulations**

#### US Department of Transportation Classification (49 CFR Parts 171-180)

Not regulated as a dangerous good

## International Regulations

#### IATA-DGR

Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

| Pollution category<br>Ship type |   | Not applicable<br>Not applicable |
|---------------------------------|---|----------------------------------|
| Product name                    | : | Not applicable                   |
| Special precautions             | : | Not applicable                   |
| Special precautions for user    |   |                                  |

| Remarks                | : Special Precautions: Refer to Chapter 7, Handling & Storage,<br>for special precautions which a user needs to be aware of or<br>needs to comply with in connection with transport. |
|------------------------|--|
| Additional Information | : MARPOL Annex 1 rules apply for bulk shipments by sea.  |

# SECTION 15. REGULATORY INFORMATION

OSHA Hazards : No OSHA Hazards

#### EPCRA - Emergency Planning and Community Right-to-Know Act

#### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ., Shell classifies this material as an "oil" under the CERCLA Petroleum Exclusion, therefore releases to the environment are not reportable under CERCLA.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

| Version 1.2   | Revision Date: 10/12/2016  | Print Date: 10/13/2016             |  |
|---|--|------------------------------------|--|
| This material does not conta  | in any components with a sectio  | n 304 EHS RQ.                      |  |
| SARA 311/312 Hazards  | : No SARA Hazards  |                                    |  |
| SARA 302  | : No chemicals in this material are subject to the reporting re-<br>quirements of SARA Title III, Section 302. |                                    |  |
| SARA 313  | : The following components are subject to reporting levels es-<br>tablished by SARA Title III, Section 313:    |                                    |  |
|   | Zinc carboxylate   | 85203-81-2 4.33 %                  |  |
| Clean Water Act   |  |                                    |  |
| This product does not contai<br>Section 311, Table 117.3.               | n any Hazardous Chemicals list   | ed under the U.S. CleanWater Act,  |  |
| Pennsylvania Right To Kno   | <b>W</b>   |                                    |  |
| Asphalt   |  | 8052-42-4                          |  |
| Distillates (p  | petroleum), hydrotreated light   | 64742-47-8                         |  |
| Distillates (p<br>naphthenic  | petroleum), hydrotreated heavy   | 64742-52-5                         |  |
| New Jersey Right To Know  | I  |                                    |  |
| Asphalt   |  | 8052-42-4                          |  |
| Zinc carbox   | ylate  | 85203-81-2                         |  |
| California Prop 65 This product does not contain any chemicals known to |  | ntain any chemicals known to State |  |

| Camornia Prop 65                      | of California to cause cancer, birth defects, or any other re-<br>productive harm.                                 |
|---------------------------------------|--|
| The components of this proc<br>EINECS | <ul><li>duct are reported in the following inventories:</li><li>All components listed or polymer exempt.</li></ul> |
| TSCA                                  | : All components listed.   |
| DSL                                   | : All components listed.   |

#### **SECTION 16. OTHER INFORMATION**

## **Further information** NFPA Rating (Health, Fire, Reac- 0, 1, 0 tivity)

| A vertical bar ( ) in the left marg<br>Abbreviations and Acronyms | <ul> <li>gin indicates an amendment from the previous version.</li> <li>The standard abbreviations and acronyms used in this document can be looked up in reference literature (e.g. scientific dictionaries) and/or websites.</li> </ul> |
|---|---|
|   | ACGIH = American Conference of Governmental Industrial<br>Hygienists<br>ADR = European Agreement concerning the International<br>Carriage of Dangerous Goods by Road  |

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|-------------|--|---|--|
|             | ASTM = American Society for T  | AICS = Australian Inventory of Chemical Substances<br>ASTM = American Society for Testing and Materials<br>BEL = Biological exposure limits |  |
|             | BTEX = Benzene, Toluene, Eth   | nylbenzene, Xylenes   |  |
|             | CAS = Chemical Abstracts Serv<br>CEFIC = European Chemical Ir  |   |  |
|             | CLP = Classification Packaging<br>COC = Cleveland Open-Cup   | and Labelling   |  |
|             | DIN = Deutsches Institut fur No  |   |  |
|             | DMEL = Derived Minimal Effect<br>DNEL = Derived No Effect Leve                                       |   |  |
|             | DSL = Canada Domestic Subst<br>EC = European Commission  | ance List   |  |
|             | EC50 = Effective Concentration   |   |  |
|             | ECETOC = European Center o<br>gy Of Chemicals  | n Ecotoxicology and Toxicolo-   |  |
|             | ECHA = European Chemicals A<br>EINECS = The European Inven<br>Chemical Substances                    |   |  |
|             | EL50 = Effective Loading fifty   |   |  |
|             | ENCS = Japanese Existing and<br>Inventory  | New Chemical Substances   |  |
|             | EWC = European Waste Code<br>GHS = Globally Harmonised Sy  | etem of Classification and  |  |
|             | Labelling of Chemicals   |   |  |
|             | IARC = International Agency for<br>IATA = International Air Transp                                   |   |  |
|             | IC50 = Inhibitory Concentration<br>IL50 = Inhibitory Level fifty                                     |   |  |
|             | IMDG = International Maritime I  |   |  |
|             | INV = Chinese Chemicals Inventory<br>IP346 = Institute of Petroleum test method N°                   |   |  |
|             | determination of polycyclic aron<br>KECI = Korea Existing Chemica<br>LC50 = Lethal Concentration fif | als Inventory   |  |
|             | LD50 = Lethal Dose fifty per ce  | nt.   |  |
|             | LL/EL/IL = Lethal Loading/Effec<br>LL50 = Lethal Loading fifty                                       | tive Loading/Inhibitory loading   |  |
|             | MARPOL = International Conve<br>Pollution From Ships   |   |  |
|             | NOEC/NOEL = No Observed E<br>served Effect Level   | ffect Concentration / No Ob-  |  |
|             | OE_HPV = Occupational Expos<br>PBT = Persistent, Bioaccumula   |   |  |
|             | PICCS = Philippine Inventory o<br>Substances   | f Chemicals and Chemical  |  |
|             | PNEC = Predicted No Effect Co  |   |  |
|             | REACH = Registration Evaluati<br>Chemicals   | on And Authorisation Of   |  |
|             | RID = Regulations Relating to I<br>gerous Goods by Rail  | nternational Carriage of Dan-   |  |
|             | SKIN_DES = Skin Designation  | SKIN_DES = Skin Designation<br>STEL = Short term exposure limit   |  |
|             | STEL = Short term exposure lin<br>TRA = Targeted Risk Assessmo                                       |   |  |
|             | TSCA = US Toxic Substances Control Act   |   |  |
|             | TWA = Time-Weighted Average  | ÷   |  |

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|---------------|---|------------------------|--|
|               | vPvB = very Persistent and very Bioaccumulative |                        |  |
| Revision Date | : 10/12/2016                                    |                        |  |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.