

**SECTION V HEALTH HAZARD DATA**

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|---|
| THRESHOLD LIMIT VALUE   |
| EFFECTS OF OVEREXPOSURE<br>Slight irritation to skin and eyes   |
| EMERGENCY AND FIRST AID PROCEDURES<br>Skin - remove product by wiping or by applying waterless hand cleaner, followed by washing with soap and water<br>Eyes - wash with copious quantity of water. |

**SECTION VI REACTIVITY DATA**

|  |                |   |                     |
|--|----------------|---|---------------------|
| STABILITY  | UNSTABLE       |   | CONDITIONS TO AVOID |
|  | STABLE         | X |                     |
| INCOMPATIBILITY (Materials to avoid)   |                |   |                     |
| HAZARDOUS DECOMPOSITION PRODUCTS<br>Carbon monoxide can be formed during combustion. |                |   |                     |
| HAZARDOUS POLYMERIZATION   | MAY OCCUR      |   | CONDITIONS TO AVOID |
|  | WILL NOT OCCUR | X |                     |

**SECTION VII SPILL OR LEAK PROCEDURES**

|   |
|---|
| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED<br>Absorb with clay, diatomaceous earth, or other inert material. |
| WASTE DISPOSAL METHOD<br>Controlled burning.  |

**SECTION VIII SPECIAL PROTECTION INFORMATION**

|  |   |         |
|--|---|---------|
| RESPIRATORY PROTECTION (Specify type)<br>None normally required. |   |         |
| VENTILATION  | LOCAL EXHAUST                               | SPECIAL |
|  | MECHANICAL (General)<br>Not normally needed | OTHER   |
| PROTECTIVE GLOVES<br>Recommended                                 | EYE PROTECTION<br>Not normally needed       |         |
| OTHER PROTECTIVE EQUIPMENT                                       |   |         |

**SECTION IX SPECIAL PRECAUTIONS**

|  |
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| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING<br>No special precautions normally needed. Avoid repeated or prolonged skin contact. |
| OTHER PRECAUTIONS  |

|           |                            |
|-----------|----------------------------|
| NAME      | H. Low                     |
| TITLE     | Staff Tech. - Chemical R&D |
| COMPANY   | Shell Oil                  |
| SIGNATURE | <i>H. Low</i>              |
| DATE      | 2/15/75                    |

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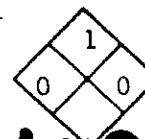
VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIR PERSONS PROXIMATELY CAUSED BY THE MATERIAL IF REASONABLE SAFETY PROCEDURES ARE NOT ADHERED TO AS STIPULATED IN THE DATA SHEET. ADDITIONALLY, VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDOR OR THIR PERSONS PROXIMATELY CAUSED BY ABNORMAL USE OF THE MATERIAL EVEN IF REASONABLE SAFETY PROCEDURES ARE FOLLOWED. FURTHERMORE, VENDEE ASSUMES THE RISK IN HIS USE OF THE MATERIAL.



SHELL OIL COMPANY  
SHELL CHEMICAL COMPANY  
SHELL DEVELOPMENT COMPANY  
SHELL PIPE LINE CORPORATION

**GREASE**  
*Multi Lube*

HAZARD RATING



0900-0026

**MULTI-LUBE**

MATERIAL SAFETY DATA SHEET

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| SECTION I   |   |                         |                                      |
|---|---|-------------------------|--------------------------------------|
| MANUFACTURER'S NAME                                 | Shell Oil Company                                   | EMERGENCY TELEPHONE NO. | (713) 473-9461                       |
| ADDRESS (Number, Street, City, State, and ZIP Code) | One Shell Plaza, Houston, Texas 77002               |                         |                                      |
| CHEMICAL NAME AND SYNONYMS                          | Lubricating grease                                  | TRADE NAME              | Shell DARINA <sup>(R)</sup> Grease 2 |
| CHEMICAL FAMILY                                     | Mineral oil plus inorganic thickener plus additives | FORMULA                 | Code 71502                           |

| SECTION II HAZARDOUS INGREDIENTS*  |   |         |                  |        |                  |       |
|--|---|---------|------------------|--------|------------------|-------|
| COMPOSITION  | % | SPECIES | LD <sub>50</sub> |        | LC <sub>50</sub> |       |
|  |   |         | ORAL             | DERMAL | CONCENTRATION    | HOURS |
| PIGMENTS   |   |         |                  |        |                  |       |
| CATALYST   |   |         |                  |        |                  |       |
| VEHICLE  |   |         |                  |        |                  |       |
| SOLVENTS   |   |         |                  |        |                  |       |
| ADDITIVES  |   |         |                  |        |                  |       |
| DARINA Grease 2 is a microgel grease. It consists of a mineral oil, a waterproofed clay (thickener) and small amounts of antioxidant and antirust additives. It is not a hazardous material by U. S. Department of Labor definition (29 CFR 1915.2 (s)). |   |         |                  |        |                  |       |

| SECTION III PHYSICAL DATA |              |                                       |  |
|---------------------------|--------------|---------------------------------------|--|
| BOILING POINT (°F)        |              | SPECIFIC GRAVITY (H <sub>2</sub> O=1) |  |
| VAPOR PRESSURE (mmHg)     |              | PERCENT VOLATILE BY VOLUME (%)        |  |
| VAPOR DENSITY (AIR=1)     |              | EVAPORATION RATE (_____ = 1)          |  |
| SOLUBILITY IN WATER       | Insol.       |                                       |  |
| APPEARANCE AND ODOR       | Amber grease |                                       |  |

| SECTION IV FIRE AND EXPLOSION HAZARD DATA |  |                  |      |
|---|--|------------------|------|
| FLASH POINT (Method used)                 | Oil component has flash of about 400°F, C.O.C. | FLAMMABLE LIMITS | N.A. |
| EXTINGUISHING MEDIA                       | Dry chemical type preferred                    |                  |      |
| FIRE FIGHTING PROCEDURES                  | None   |                  |      |
| UNUSUAL FIRE AND EXPLOSION HAZARDS        | None   |                  |      |

\* Modified by Shell Oil Company