

| HMIS RATING  |   |
|--------------|---|
| Health       | 1 |
| Flammability | 4 |
| Reactivity   | 0 |

## MATERIAL SAFETY DATA SHEET

| NFPA 704 RATING |   |
|-----------------|---|
| Health          | 1 |
| Flammability    | 4 |
| Reactivity      | 0 |
| NFPA 30B LEVEL  |   |
| N/A             |   |

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### 1. PRODUCT IDENTIFICATION

PART NUMBER ..... 80-716  
PRODUCT NAME ..... Red Grease  
CHEMICAL FAMILY ..... N/A  
DOT SHIPPING ..... Consumer Commodity ORM-D

### 2. HAZARDOUS INGREDIENTS

| SPECIFIC CHEMICAL IDENTITY, COMMON NAMES | OSHA PEL           | ACGIH TLV | STEL                | %   |
|--|--------------------|-----------|---------------------|-----|
| N-Heptane (142-82-5)                     | 500ppm             | 400ppm    | 500ppm              | <30 |
| Propane/Isobutane/N-Butane (68476-86-8)  | 800ppm             | 800ppm    |                     | <20 |
| 2-Propanone (67-64-1)                    | 750ppm             | 750ppm    | 1000ppm             | <15 |
| Petroleum Hydrocarbon (64742-57-0)       | 5mg/m <sup>3</sup> |           | 10mg/m <sup>3</sup> | <10 |
| Automate Red B (mixture)                 |                    |           |                     |     |
| Mineral Oil Hydrotreated (64742-52-5)    |                    |           |                     |     |

All chemical compounds marked with an asterisk (\*) are toxic chemicals subject to the reporting of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture of trade name product is sold. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement. \*\*Ceiling

### 3. PHYSICAL DATA

BOILING POINT (RANGE) ..... -43-551°F  
VAPOR PRESSURE PSIG @ 70°F ..... 80-90  
VAPOR DENSITY (AIR = 1) ..... >1  
SOLUBILITY IN WATER ..... Negligible  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1) ..... 0.7067  
MELTING/FREEZING POINT ..... 32  
EVAPORATION RATE (61%=1) ..... Faster than Butyl Acetate  
VOC content (by weight) ..... 2.95 lbs/gal, 354 gr/l  
APPEARANCE AND ODOR ..... Red liquid/Solvent Odor

### 4. FIRE AND EXPLOSION DATA

FLASH POINT ..... -156°F  
UPPER EXPLOSIVE LIMIT (%) ..... 12.8  
LOWER EXPLOSIVE LIMIT (%) ..... 1.2  
EXTINGUISHING MEDIA ..... Water, Alcohol Foam, Dry Chemical, CO<sub>2</sub>, Foam, Water Fog  
SPECIAL FIREFIGHTING PROCEDURES ..... Container can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.  
FIRE AND EXPLOSION HAZARDS ..... Vapors can travel to a source of ignition and flash back. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity or other sources of ignition; they may explode and cause injury or death. Empty drums should be completely drained, properly banded and promptly returned to a drum reconditioner, or properly disposed of.

### 5. HEALTH EFFECTS DATA

#### SHORT TERM EFFECTS OF EXPOSURE

ROUTE OF ENTRY ..... Skin, Skin absorption, Inhalation, Ingestion, Eye Contact  
HEALTH HAZARDS (ACUTE AND CHRONIC) ..... Overexposure may cause nervous system damage, lung damage, kidney damage.  
INGESTION ..... May be harmful or fatal if swallowed. If a corrosive product, may cause severe and permanent danger to mouth, throat, and stomach.  
SKIN CONTACT ..... Can result in the defatting and drying of skin which may result in skin irritation and dermatitis.  
INHALATION ..... Can cause dizziness, headaches, nausea, decreased blood pressure, changes in hear rate and cyanosis may result from overexposure to vapor or skin exposure. Prolonged exposure may be harmful.

### 5. HEALTH EFFECTS DATA CON'T.

EYE CONTACT ..... Can be irritating and can cause redness, tearing, pain and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eye.  
FIRST AID PROCEDURES  
EYE CONTACT ..... Flush eyes with a directed stream of water for at least 15 minutes. If irritation persists, obtain medical attention.  
SKIN ..... Wash with water. Obtain medical attention immediately. Remove contaminated clothing.  
INHALATION ..... Move individual to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.  
INGESTION ..... Get medical attention immediately. Do not induce vomiting. Drink two large glasses water. Never give anything by mouth to an unconscious person.

#### SPECIAL HEALTH EFFECTS

CARCINOGEN (OSHA Guidelines) The chemical noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm: Toluene.

### 6. REACTIVITY

STABILITY ..... Stable under normal conditions.  
INCOMPATIBILITIES ..... Strong acids, alkalis, oxidizers, and amines.  
HAZARDOUS DECOMPOSITION PRODUCTS ..... Oxides of carbon, oxides of nitrogen, and may produce forma of chloride, chlorine and phosgene.  
HAZARDOUS POLYMERIZATION Will not occur under normal conditions.  
HAZARDOUS POLYMERIZATION CONDITIONS ..... None known.

### 7. PRECAUTIONS FOR SAFE HANDLING & USE

#### PROTECTIVE EQUIPMENT

REQUIREMENTS ..... Use adequate ventilation, wear chemical resistant gloves, safety goggles or glasses. For continuous spray, local exhaust provided by explosion proof motor is recommended.  
WASH REQUIREMENTS ..... Normal cleanliness.  
SPILL OR LEAK PROCEDURES Remove all sources of ignition and ventilate areas. Soak up spilled material with inert absorbent material and place in a properly labeled closed container for disposal.  
WASTE DISPOSAL METHODS Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled. Dispose of in accordance with local, state, and federal regulations. Consult local environmental authorities.  
HANDLING & STORAGE ..... Avoid breathing vapor. Keep away from heat, flames. Keep container closed when handling or storing. Store in a cool dry place. Keep out of reach of children.  
OTHER PRECAUTIONS ..... Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

### 8. ADDITIONAL INFORMATION

Use self-contained breathing apparatus if TLV limits are exceeded. Do not eat or smoke while using. Wash hands after use. Use positive pressure air supplied respirator if there is potential for uncontrolled release, if exposure levels are unknown, or in any circumstance where air purifying respirators may not provide adequate protection.

THE INFORMATION GIVEN AND THE RECOMMENDATIONS MADE HEREIN APPLY TO OUR PRODUCT(S) ALONE AND ARE NOT COMBINED WITH OTHER PRODUCTS. SUCH INFORMATION IS BASED UPON OUR RESEARCH AND ON DATA FROM OTHER RELIABLE SOURCES AND IS BELIEVED TO BE ACCURATE. NO GUARANTEE OF ACCURACY IS MADE. IT IS THE PURCHASER'S RESPONSIBILITY BEFORE USING ANY PRODUCT TO VERIFY THIS DATA UNDER THEIR OWN OPERATING CONDITIONS AND TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PURPOSES.

**KIMBALL**  
**MIDWEST**  
*Your Partner in Performance*