

M A T E R I A L   S A F E T Y   D A T A   S H E E T

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : BIG RED RED GREASE  
 IDENTIFICATION NUMBER: A-6010 (0637-A)                      DATE PRINTED: 10/27/09  
 PRODUCT USE/CLASS : RED GREASE

MANUFACTURED FOR:  
 FPPF CHEMICAL CORP.  
 117 WEST TUPPER STREET  
 BUFFALO, NY 14201  
 INFORMATION: 716 856-9607  
 FAX: 716 856-0750

EMERGENCY TELEPHONE: 800 424-9300                      EMERGENCY AGENCY: CHEMTREC  
 24 HOURS    1-800-424-9300 (24 HOURS)

PREPARER: CUSTOMER SERVICE, PHONE: , PREPARE DATE: 10/27/09

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

| ITEM | CHEMICAL NAME                            | CAS NUMBER | WEIGHT % |
|------|--|------------|----------|
| 01   | DISTILLATES, PETROLEUM, HYDROTREATED NAP | 64742-52-5 | 30-40    |
| 02   | HEPTANES                                 | 64742-49-0 | 20-30    |
| 03   | PROPANE/ISOBUTANE/N-BUTANE               | 68476-86-8 | 10-20    |
| 04   | 2-PROPANONE                              | 67-64-1    | 10-20    |
| 05   | PETROLEUM HYDROCARBON                    | 64742-57-0 | 1-10     |

| ITEM | EXPOSURE LIMITS |          |          |             | COMPANY | SKIN |
|------|-----------------|----------|----------|-------------|---------|------|
|      | ACGIH           |          | OSHA     |             |         |      |
|      | TLV-TWA         | TLV-STEL | PEL-TWA  | PEL-CEILING | TLV-TWA |      |
| 01   | 5 MG/M3 SKIN    | 10 MG/M3 | 5 MG/M3  | N.E.        | N.E.    | YES  |
| 02   | 400 PPM         | 500 PPM  | 500 PPM  | N.E.        | N.E.    | YES  |
| 03   | N.E.            | N.E.     | N.E.     | N.E.        | N.E.    | NO   |
| 04   | 500 PPM         | 750 PPM  | 1000 PPM | N.E.        | N.E.    | NO   |
| 05   | N.E.            | 10 MG/M3 | 5 MG/M3  | NONE        | 5 MG/M3 | NO   |

(See Section 16 for abbreviation legend)

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| SECTION 3 - HAZARDS IDENTIFICATION |
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\*\*\* EMERGENCY OVERVIEW \*\*\*: Causes eye irritation. Causes skin irritation. Extremely flammable liquid and vapor. May cause flash fire or explosion. Aspiration hazard. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

EFFECTS OF OVEREXPOSURE - INHALATION: Avoid breathing mists from this product.

EFFECTS OF OVEREXPOSURE - INGESTION: Ingestion is not considered to be a hazard encountered in normal industrial use. This material may be harmful or fatal if swallowed. Aspiration hazard.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Repeated contact with skin may irritate pre-existing skin conditions.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT INHALATION INGESTION EYE CONTACT

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| SECTION 4 - FIRST AID MEASURES |
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FIRST AID - EYE CONTACT: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. If wearing contact lenses remove at once. Holding eyelids open, flush eyes with water for at least 15 minutes. If irritation persists, seek medical attention.

FIRST AID - SKIN CONTACT: Wash with soap and large amounts of water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: If swallowed, do NOT induce vomiting. Call physician immediately.

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SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: -96.1 F  
(PENSKY-MARTENS C.C.)

LOWER EXPLOSIVE LIMIT: 1.2 %  
UPPER EXPLOSIVE LIMIT: 12.8 %

AUTOIGNITION TEMPERATURE: ND

EXTINGUISHING MEDIA: ALCOHOL FOAM CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL 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 bunged and promptly returned to a drum reconditioner, or properly disposed of.

SPECIAL FIREFIGHTING PROCEDURES: Containers 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. Keep containers and surroundings cool with water spray. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Use recommended personal protective equipment. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways.

SECTION 7 - HANDLING AND STORAGE

AEROSOL LEVEL: 3

HANDLING: Wash thoroughly after handling.

STORAGE: Keep away from heat, sparks and flame. Keep from freezing. KEEP OUT OF THE REACH OF CHILDREN! Do not store above 120F (49C). Do not spray into open flame or near other sources of ignition. Do not store in direct sunlight, puncture, crush or incinerate container.

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| SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION |
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ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

RESPIRATORY PROTECTION: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION: Gloves resistant to petroleum distillates should be worn.

EYE PROTECTION: Wear safety glasses with side shields or goggles when using this product.

OTHER PROTECTIVE EQUIPMENT: STANDARD INDUSTRIAL CLOTHING STANDARDS SHOULD BE FOLLOWED.

HYGIENIC PRACTICES: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

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| SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES |
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|  |               |  |                              |
|--|---------------|--|------------------------------|
| BOILING RANGE  | : -23 - 551 F | VAPOR DENSITY                          | : Is heavier than air        |
| ODOR   | : SOLVENT     | ODOR THRESHOLD                         | : ND                         |
| APPEARANCE   | : RED         | EVAPORATION RATE:                      | Is faster than Butyl Acetate |
| SOLUBILITY IN H <sub>2</sub> O                                 | : NEGLIGIBLE  | SPECIFIC GRAVITY:                      | 0.7020                       |
| FREEZE POINT   | : ND          | pH @ 0.0 %                             | : NA                         |
| VAPOR PRESSURE   | : ND          | VISCOSITY                              | : ND                         |
| PHYSICAL STATE   | : AEROSOL     | COEFFICIENT OF WATER/OIL DISTRIBUTION: | ND                           |
| VOLATILE ORGANIC COMPOUNDS (VOCS): 2.69 lbs/gal, 322 grams/ltr |               |  |                              |

VOC, % (wt): 48.54%

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

(See Section 16 for abbreviation legend)

## SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: AVOID OPEN FLAMES AND HIGH TEMPERATURES. Avoid contact with strong oxidizing agents. ALL SOURCES OF IGNITION, WELDING ARCS, AND OPEN FLAMES.

INCOMPATIBILITY: Strong mineral acids and strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: SMOKE, OXIDES OF CARBON AND OXIDES OF NITROGEN, PHOSPHOROUS, AND/OR SULFUR ARE POSSIBLE.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

## SECTION 11 - TOXICOLOGICAL PROPERTIES

PRODUCT LD50: 5800 mg/kg

PRODUCT LC50: 50100 ppm

## COMPONENT TOXICOLOGICAL INFORMATION:

| ----- CHEMICAL NAME -----            | ----- LD50 ----- | ----- LC50 -----   |
|--------------------------------------|------------------|--------------------|
| DISTILLATES, PETROLEUM, HYDROTREATED | ND               | ND                 |
| HEPTANES                             | >7100 MG/KG/RAT  | 103000 MG/M3/4H/RA |
| PROPANE/ISOBUTANE/N-BUTANE           | NE               | NE                 |
| 2-PROPANONE                          | 5800 MG/KG/RAT   | 50100 MG/M3/8H/RAT |
| PETROLEUM HYDROCARBON                | ND               | ND                 |
| LUBRICATING GREASE                   | NE               | NE                 |

## SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information.

## SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

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## SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: CONSUMER COMMODITY

DOT TECHNICAL NAME:

DOT HAZARD CLASS: ORM-D

HAZARD SUBCLASS:

DOT UN/NA NUMBER:

PACKING GROUP:

RESP. GUIDE PAGE:

DOT EXEMPTIONS:

DOT SPECIAL INSTRUCTIONS:

IMDG SHIPPING INFORMATION: UN1950

IMDG PROPER SHIPPING NAME: AEROSOLS

IMDG TECHNICAL NAME:

IMDG HAZARD CLASS: 2.1

HAZARD SUBCLASS:

PACKING GROUP:

FLASH POINT, C: -96.1

IMDG EXEMPTIONS: LIMITED QUANTITY

IMDG SPECIAL INSTRUCTIONS:

MARINE POLLUTANT (YES/NO): N

IATA SHIPPING INFORMATION: UN1950

IATA PROPER SHIPPING NAME: AEROSOLS, FLAMMABLE

IATA TECHNICAL NAME:

IATA HAZARD CLASS: 2.1

HAZARD SUBCLASS:

PACKING GROUP:

IATA EXEMPTIONS: LIMITED QUANTITY

IATA SPECIAL INSTRUCTIONS:

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## SECTION 14 - TRANSPORTATION INFORMATION

## SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD FIRE HAZARD PRESSURIZED GAS HAZARD

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME ----- CAS NUMBER WT/WT % IS LESS THAN  
No SARA Section 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

----- CHEMICAL NAME ----- CAS NUMBER  
No information is available.

U.S. STATE REGULATIONS: AS FOLLOWS -

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

----- CHEMICAL NAME ----- CAS NUMBER  
No non-hazardous materials are among the top five ingredients.

PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

----- CHEMICAL NAME ----- CAS NUMBER  
LUBRICATING GREASE MIXTURE

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|                                     |
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| SECTION 15 - REGULATORY INFORMATION |
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CALIFORNIA PROPOSITION 65:

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

----- CHEMICAL NAME ----- CAS NUMBER

No Proposition 65 chemicals exist in this product.

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: A, B5, D2B

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| SECTION 16 - OTHER INFORMATION |
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HMIS RATINGS - HEALTH: 1          FLAMMABILITY: 4          REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 10/27/09

REASON FOR REVISION: UPDATE VOC, PHYSICAL PROPERTIES, TRANSPORTATION INFORMATION.

LEGEND: N.A. - Not Applicable, N.E. - Not Established,  
N.D. - Not Determined

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\*\*\* THIS MSDS IS NOT FOR REPRODUCTION OR DISTRIBUTION \*\*\*

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

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<END OF MSDS>