

Prod.Name: 0711-02-001 WHITE GREASE
Manufacturer: K-G PACKAGING INC.
HMCS ID: 1180728
SUC: 02 - Solvents - Flashpoint < 100 F

MATERIAL SAFETY DATA SHEET

Revision: 19.May.2004
Effective: 19.May.2004
Print Date: 13.Sep.2005
Page: 2 of 5

Exposure Routes

Skin Contact
Skin Contact

Exposure Duration

Acute
Chronic

Eye Contact

Eye Contact
Inhalation

Ingestion

Observation

IRRITATION TO SKIN.
SOLVENTS MAY CAUSE DEFATTING DERMATITIS.
VAPORS MAY IRRITATE. IRRITANCY OF MATERIAL: EYE IRRITANT.
IRRITATION TO EYES.
INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLANT IS A SIMPLE ASPHYXIANT.
MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS.

Medical Conditions Aggravated By Exposure:
NOT PROVIDED.

Additional Health Hazard Data:

EFFECTS OF ACUTE EXPOSURE: DIZZINESS, NAUSEA. SENSITIZING CAPABILITY OF MATERIAL: UNKNOWN.

4 FIRST AID MEASURES

First Aid By::

Inhalation IF AFFECTED BY INHALATION OF VAPOR OR SPRAY MIST, REMOVE TO FRESH AIR.
Skin Contact FOR SKIN, WASH THOROUGHLY WITH SOAP AND WATER.
Eye Contact IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION.
Ingestion IF SWALLOWED; DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

5 FIRE FIGHTING MEASURES

Flash Point:

= -10 C TAG CLOSED CUP. BASED ON 142-82-5.
(CONCENTRATE).

Explosive Limits:

Upper Explosive Limit = 7.00
(UEL)
Lower Explosive Limit = 1.00
(LEL)

Autoignition Temperature:

> 225.00 C

Extinguishing Media:

WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Special Fire Fighting Procedures:

WATER FROM FOGGING NOZZLES MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT BUILD-UP IF EXPOSED TO EXTREME TEMPERATURES, FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARATUS SHOULD BE WORN IN A FIRE INVOLVING THIS MATERIAL.

Comment:

FLAMMABILITY: EXTREMELY FLAMMABLE. UNDER WHAT CONDITIONS: EXCESSIVE HEAT, SPARKS AND OPEN FLAME. HAZARDOUS COMBUSTION PRODUCTS: HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE. AEROSOL FLAME PROJECTION CLASSIFIED AS: <100 CM. NFPA ASSIGNED BY GENERAL MOTORS TECHNICAL REVIEW. FLASHBACK: NONE. HAZARDOUS PRODUCTS OF DECOMPOSITION: HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE. NFPA CODE 30B: LEVEL 1.

6 ACCIDENTAL RELEASE MEASURES

Comment:

REMOVE ALL SOURCES OF IGNITION. USE AN INERT ABSORBENT MATERIAL AND NON-SPARKING TOOLS. VENTILATE AREA. PREVENT FROM ENTERING A WATERCOURSE.

7 HANDLING AND STORAGE

HANDLING

Safe Handling Procedures:

STORAGE NEEDS: KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 C.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:

VENTILATION: VENTILATION LOCAL (MECHANICAL IF USED INDOORS ON A CONTINUOUS BASIS).

EXPOSURE LIMITS

Prod.Name: 0711-02-001 WHITE GREASE
Manufacturer: K-G PACKAGING INC.
HMCS ID: 1180728
SUC: 02 - Solvents - Flashpoint < 100 F

MATERIAL SAFETY DATA SHEET

Revision: 19.May.2004
Effective: 19.May.2004
Print Date: 13.Sep.2005
Page: 3 of 5

Limit Values:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Type</u>	<u>Value</u>	<u>Specificati on</u>	<u>Source</u>
PROPANE	74-98-6	PEL-T WA	1000ppm	-	OSHA - Permissible Exposure Limits (PELs)
PROPANE	74-98-6	GM OEG- TWA	1000ppm	-	Threshold Limit Values (TLVs) - ACGIH
PROPANE	74-98-6	TLV- TWA	2500ppm	-	GM Occupational Exposure Guidelines (OEG)
PROPANE	74-98-6	State- TWA	1000ppm	-	MICHIGAN
PROPANE	74-98-6	State- TWA	1000ppm	-	NEW YORK
PROPANE	74-98-6	State- TWA	1000ppm	-	TENNESSEE
HEPTANE	142-82-5	PEL-T WA	500ppm	-	OSHA - Permissible Exposure Limits (PELs)
HEPTANE	142-82-5	GM OEG- TWA	400ppm	-	Threshold Limit Values (TLVs) - ACGIH
HEPTANE	142-82-5	GM OEG- STEL	500ppm	-	Threshold Limit Values (TLVs) - ACGIH
HEPTANE	142-82-5	TLV- TWA	400ppm	-	GM Occupational Exposure Guidelines (OEG)
HEPTANE	142-82-5	TLV- STEL	500ppm	-	GM Occupational Exposure Guidelines (OEG)
HEPTANE	142-82-5	State- TWA	400ppm	-	MICHIGAN
HEPTANE	142-82-5	State- STEL	500ppm	-	MICHIGAN
HEPTANE	142-82-5	State- TWA	400ppm	-	NEW YORK
HEPTANE	142-82-5	State- STEL	500ppm	-	NEW YORK
HEPTANE	142-82-5	State- TWA	400ppm	-	TENNESSEE
HEPTANE	142-82-5	State- STEL	500ppm	-	TENNESSEE

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment (PPE):

Eye Protection SAFETY GLASSES.
 Skin Protection FOOTWEAR/TYPE: NOT NORMALLY REQUIRED.
 Respiratory Protection IF USED INDOORS ON A CONTINUOUS BASIS, USE

Prod.Name: 0711-02-001 WHITE GREASE
Manufacturer: K-G PACKAGING INC.
HMCS ID: 1180728
SUC: 02 - Solvents - Flashpoint < 100 F

MATERIAL SAFETY DATA SHEET

Revision: 19.May.2004
Effective: 19.May.2004
Print Date: 13.Sep.2005
Page: 4 of 5

Hand Protection OF A CARTRIDGE TYPE RESPIRATOR (NIOSH/MSHA 23C OR EQUIVALENT) IS RECOMMENDED.
PROTECTIVE GLOVES (SPECIFY TYPE): WEAR CHEMICAL RESISTANT GLOVES.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical State: AEROSOL

Color: BEIGE.

Odor: HYDROCARBON. ODOR THRESHOLD: NOT AVAILABLE.

Comment:

AEROSOL PERCENT VOC (W/W) 26-27. COEFFICIENT OF WATER/OIL DIST: NOT AVAILABLE. LBS/GAL VOC WAS CONVERTED FROM MSDS VALUE BY GENERAL MOTORS TECHNICAL REVIEW.

PHYSICAL PROPERTIES

pH Value:

Concentrate = NOT AVAILABLE

Changes of State:

Boiling Point Range 93.3 - 99.4 C BASED ON (142-82-5).

Melting/Freezing Point = NOT AVAILABLE.

Vapor Pressure:

Range 55 - 65 mmhg = 20.00 C (PSIG) AEROSOL

Vapor Density:

> 1.0000 AIR=1

Evaporation Rate:

< 1.0000 N-BUTYL ACETATE=1

Specific Gravity:

Range 0.92000 - 0.94000 SPECIFIC GRAVITY (AEROSOL): 0.83-0.86.

Solubility:

WATER MISCIBLE

VOC:

VOC = 2.05 lb/gal

Theoretical VOC (by wt.) = 2.05 %Wt

Total Amount Of::

Percent Volatile by Weight Range 26.0000

10 STABILITY AND REACTIVITY

STABILITY INFORMATION

Stability Under Normal Conditions: Stable

Incompatible Materials:

COMPATIBILITY WITH OTHER SUBSTANCES: STRONG OXIDIZING AGENTS.

Mechanical Impact Stability: Not Available

Static Discharge Stability: Not Available

Hazardous Polymerization:

NO.

Comment:

STABILITY - TEXT: UNDER NORMAL CONDITIONS. NO, WHICH CONDITIONS: NOT APPLICABLE. REACTIVITY CONDITIONS: NOT APPLICABLE. EXPLOSION DATA: SENSITIVITY TO STATIC DISCHARGE: NOT APPLICABLE. SENSITIVITY TO IMPACT: NOT APPLICABLE.

HAZARDOUS DECOMPOSITION

Reactions:

Type of Reaction

Decomposition

Reaction Products

HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.

11 TOXICOLOGICAL INFORMATION

CLASSIFICATION OF INGREDIENTS

Carcinogenicity:

THE INGREDIENTS OF THIS PRODUCT ARE NOT LISTED AS CARCINOGENS BY NTP (NATIONAL TOXICOLOGY

Prod.Name: 0711-02-001 WHITE GREASE
Manufacturer: K-G PACKAGING INC.
HMCS ID: 1180728
SUC: 02 - Solvents - Flashpoint < 100 F

MATERIAL SAFETY DATA SHEET

Revision: 19.May.2004
Effective: 19.May.2004
Print Date: 13.Sep.2005
Page: 5 of 5

PROGRAM), NOT REGULATED AS CARCINOGENS BY OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION) AND HAVE NOT BEEN EVALUATED BY IARC (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER) NOR BY ACGIH (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS).

Mutagenicity:

NO INFORMATION IF AVAILABLE AND NO ADVERSE MUTAGENIC EFFECTS ARE ANTICIPATED.

Reproductive Effects:

NO INFORMATION IS AVAILABLE AND NO ADVERSE REPRODUCTIVE EFFECTS ARE ANTICIPATED. TERATOGENICITY: NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENIC EFFECTS ARE ANTICIPATED.

Comment:

TOXICOLOGICAL DATA UNLIMITED TEXT: SYNERGISTIC MATERIALS; NONE KNOWN. 7732-18-5 LD50: NOT AVAILABLE, LC50: NOT AVAILABLE. 142-82-5: LD50: >15000 MG/KG ORAL RAT. LC50: NOT AVAILABLE. 64742-47-8 LD50: >5000 MG/KG ORAL RAT. LC50: 1400 PP/4H INHAL RAT. 989915081: LD50 >5000 MG/M3 RAT. LC50: >5000 MG/M3 RAT. 1338-43-8 LD/50 AND LC50: NON HAZARDOUS. 75-28-5 LD50: NOT APPLICABLE. LC50: 142,5000 PPM (4H) INHAL-RAT. 74-98-6: LD50: NOT APPLICABLE. LC50: NOT AVAILABLE.

12 ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT

Comment:

NOT AVAILABLE.

ECOTOXICITY

Comment:

NOT AVAILABLE.

13 DISPOSAL CONSIDERATIONS

Waste Disposal Information:

DO NOT PUNCTURE OR INCINERATE CONTAINERS, EVEN WHEN EMPTY. DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

14 TRANSPORT INFORMATION

DOT Information:

DOT CLASSIFICATION: CONSUMER COMMODITY, ORM-D.

Comment:

TDG CLASSIFICATION: REGULATED TDG SHIPPING NAME: CONSUMER COMMODITY AEROSOLS. TDG UN NUMBER: UN1950 TDG HAZARD CLASS: 2.1 TDG PACKING GROUP:

15 REGULATORY INFORMATION

LABELLING

Hazard Codes:

NFPA Flammability	4
NFPA Health	2
NFPA Reactivity	0
HMIS Reactivity	0
HMIS Health	2
HMIS Flammability	4

NATIONAL REGULATIONS

SARA 311/312: Yes

SARA 313: No

Immediate Health: Yes

Delayed Health: No

Fire: No

Sudden Pressure Release: No

Reactive: No

Comment:

SARA 311/312 ASSIGNED BY GENERAL MOTORS TECHNICAL REVIEW. ALL COMPONENTS ARE ON OR EXEMPT FROM THE TSCA INVENTORY. CNFC SECTION 3.3.: LEVEL 1.

16 OTHER INFORMATION

Comments:

SPECIAL PROTECTION: OTHER/TYPE: NOT REQUIRED