

Material Safety Data Sheet**CODE: OBOL 33**

Update: 10 Mar 2009

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**PROTECH INDUSTRIAL COMPANY LIMITED**
ROOM 607, 6/F, YEN SHENG CENTRE,
64 HOI YUEN ROAD,
KWUN TONG, KLN., HONG KONG**PHONE NUMBER:** (852) 2172 7811
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FAX NUMBER: (852) 2172 7066Product Code: **OBOL 33**
Product Name: **E.P. Multi-Purpose Grease**
Chemical Name: Petroleum grease CAS #: Mixture
Common Name: Grease**SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS**

COMMON NAME	CHEMICAL NAME	CAS NO.	%
Lithium Hydroxide, Monohydrate		1310-66-3	<5
12-Hydroxystearic acid		106-14-9	<15
Solvent refined heavy naphthenic distillate		64741-96-4	<70
Dimethylbenzene		1330-20-7	<1
Naphthalene		91-20-3	<1
Antimony dialkyldithiocarbamate		mixture	<1

Contains no other ingredients now known to be hazardous as defined by OSHA 29 CFR 1910.1000(z).

SECTION 3 HAZARD IDENTIFICATION**Principle Hazards:** Slightly combustible
Prolonged or repeated skin contact may cause dermatitis.
See section 11 for complete health hazard information.**Threshold Limits:** The PEL (OSHA) and the TLV (ACGIH) is 5mg/m³ as an oil mists.**Primary Routes of Exposure:****EYE** May cause eye irritation. No significant adverse effects expected.**SKIN** Repeated or prolonged contact with skin may cause irritation which
May lead to various skin disorders. Avoid prolonged skin contact.**INHALATION** No significant adverse health effects are expected to occur on short
Term exposure.**ORAL** Ingestion may cause nausea, diarrhea and stomach discomfort.**SECTION 4 FIRST AID MEASURES****ORAL** DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate
medical attention.**EYE** Flush with water at least 15 minutes. Get medical attention if eye irritation develops
or persists.

SKIN Wash immediately with soap and water. Remove soiled clothing. Get medical attention if irritation develops. Launder contaminated clothing.

INHALATION Remove exposed person to fresh air. If breathing is labored, administer oxygen and obtain immediate medical attention. If irritation persists or if toxic symptoms are observed, get medical attention.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: >200°C (COC) >392°F

Slightly combustible. May release flammable vapors when heated above flash point.

EXTINGUISHING MEDIA Carbon Dioxide, dry chemical, or foam. Avoid using water.

HAZARDOUS EXPOSURE Carbon monoxide and asphyxiates.

SPECIAL FIRE PROCEDURES Recommend SCBA. Use water only for cooling container. Water may cause splattering, or transport the flame.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Evacuate all non-essential personnel. Personal Protective Equipment must be worn, see PPE section 8 & 16. Remove sources of ignition. Prevent entry into sewers and waterways. Contain release, pick up for recycling or disposal. Residual liquid can be absorbed with inert material. Check DOT/CERCLA and other agencies for reporting requirements.

Prevent contamination to soil, waterway and sewer systems.

SECTION 7 HANDLING AND STORAGE

HANDLING Avoid prolonged skin contact, breathing vapors, and contaminated clothing. Use with adequate ventilation. Wear recommended protective equipment. Practice good personal hygiene after handling. Empty containers retain material residue. Do not cut, weld, braze, solder or expose containers to other ignition sources.

STORAGE Store in closed containers of proper construction. Store away from ignition sources and in areas of good ventilation.

SECTION 8 EXPOSURE CONTROLS – PERSONAL PROTECTION

EXPOSURE LIMITS TLV = 5mg/m³ as oil mist

VENTILATION Use in areas of adequate ventilation.

GLOVES Use nitrile or neoprene gloves are recommended.

EYE PROTECTION Safety glasses, goggles, or face shield are recommended.

RESPIRATORY Self-contained breathing apparatus is recommended for confined space entry.

CLOTHING Long sleeves shirt and apron when potential for skin contact. Wear neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	red sparkle grease	Ph:	n/d
BOILING POINT:	>300°C	SOLUBILITY:	negligible
EVAPORATION POINT:	less than ether	SPECIFIC GRAVITY:	0.919
FLAMMABILITY:	combustible	VAPOR DENSITY:	heavier than air
FLASH POINT:	>200°C	VAPOR PRESSURE:	<0.01 mm Hg @ 20°C
ODOR:	petroleum odor	VOC, %:	nil

SECTION 10

STABILITY AND REACTIVITY

STABILITY	Material is normally stable at ambient temperature and pressure.
CONDITIONS TO AVOID	Oxidizing agent. Do not heat above the flash point.
POLYMERIZATION	Will not occur.
DECOMPOSITION	Carbon dioxide, carbon monoxide.

SECTION 11

TOXICOLOGICAL INFORMATION

ORAL TOXICITY	Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.
EYE IRRITATION	Not expected to cause eye irritation.
SKIN IRRITATION	Not expected to be a primary skin irritant. Prolonged or repetitive contact may cause irritation.
CARCINOGENIC	This material has not been identified as a carcinogen by NTP, IARC, or OSHA.

SECTION 12

ECOLOGICAL INFORMATION

This material is expected to have adverse effects on marine and plant life. Spills may contaminate drinking water.

SECTION 13

DISPOSAL CONSIDERATIONS

DISPOSAL	Consult federal, state, and local regulations regarding disposal methods. Recycle used oil. Do not contaminate used oil with solvents or other chemicals.
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SECTION 14

TRANSPORTATION INFORMATION

See 49 CFR part 171.8 through 178.510
 DOT SHIPPING NAME: Oil, n.o.s.
 DOT HAZARD CLASS: not regulated
 UN/NA NUMBER: NA 1270
 GUIDE NUMBER: 27
 IMDG CODE:

Materials classified as DOT Combustible Liquids (Flash Point > 141°F and < 200°F) are not regulated by DOT in containers of 110 gallons, or less for domestic shipments.

SECTION 15

REGULATORY INFORMATION

TSCA SARA 311 SARA 312	All components of this material are on the US TSCA inventory
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SARA 313	contains <25 ppm antimony compounds <2 ppm dimethylbenzene <1 ppm Naphthalene
CAL PROP 65	not listed
RCRA	not listed
CERCLA	listed

SECTION 16	OTHER INFORMATION			
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	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	<u>PPE</u>
HMIS CODE:	1	1	0	C
NFPA CODE:	1	1	0	
PRECAUTIONARY LABELS:	NA			

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