



Material Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Trade name: Multifak RSP 3

Product code: 540840

Supplier: CHEVRON ALKHALIJ
ENOC House III, Sheikh Rashid Road
P.O.Box: 2155, Dubai, United Arab Emirates

Chemical description: Grease

components	cas no.	range in %
Solvent dewaxed heavy paraffinic distillate	64742650	> 70
Solvent dewaxed residual oil	64742627	< 25
Lithium hydroxystearate	7620771	< 12
Additives which may include thickeners, antioxidants, rust inhibitors, extreme pressure agents, demulsifiers, tackifiers, antifoam agent, and corrosion inhibitors	Not Available	1 - 3

warning statements: HANDLE MATERIAL IN PRESSURE EQUIPMENT WITH CARE. ACCIDENTAL INJECTION CAN CAUSE SERIOUS TISSUE DAMAGE.

eyes: Expected to cause no more than minor eye irritation characterized by tearing or a burning sensation.

oral: If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur.

inhalation: Product not volatile at ambient temperatures. Vapours, mist, or fumes in high concentrations, as generated from spraying or heating in an enclosed space, may cause irritation.

When overheated, product may release H₂S gas. Trace amounts may cause an odor. In the unlikely event of conditions causing the accumulation of hazardous levels of H₂S, exposure may result in irritation of the eyes and respiratory tract, headache, dizziness, nausea, vomiting, and diarrhea. At concentrations above 300 ppm, respiratory paralysis, causing unconsciousness and death, can occur.

skin: Expected to cause no more than minor skin irritation.

May cause skin irritation (dermatitis) on prolonged or frequently repeated contact, characterized by local redness and swelling.

long term toxic effects: The base oil component(s) are not expected to be carcinogenic based on IARC criteria. This product has not been tested as a whole for chronic health effects.

See Section 11 for additional information.

eyes: Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open.

If irritation persists, see a doctor.

skin: Wash skin thoroughly with soap and water.

If skin irritation persists or a rash develops as a result of excessive contact, see a doctor.

Launder contaminated clothing.

ingestion: If swallowed and person is conscious, give water or milk. DO NOT make person vomit except on advice of medical personnel. If advice cannot be obtained, take person with container and label to nearest emergency treatment center. Never give anything by mouth to an unconscious person.

inhalation: This material is not expected to be an acute inhalation problem under typical applications. However, if exposed to excessive levels of fumes, mists, or dusts, remove to fresh air and get medical attention.

advice to doctor: High-pressure equipment can cause small, often bloodless, puncture wounds where material may have been injected deep into the extremity. Within 24 hours, there is usually extensive swelling, discoloration and intense pain in the affected part. Requires immediate treatment at a surgical emergency centre; else disfigurement or amputation of the affected part may occur.

Treatment of high pressure wounds may include: 1) surgical decompression, debridement, and drainage. 2) broad-spectrum antibiotic and 3) anti-inflammatory medication. See Shoo, M.J., et al. High pressure injection injuries of the hand. J. Trauma, 20:229-238, 1980.

ignition temp. (degrees c): Not Determined

flammable limits (% by volume): Not Determined

flash point (degrees c): Not Determined

fire extinguishing agents: According to the U.S. National Fire Protection Association Guide, use water fog, dry chemical, foam, or carbon dioxide. Water or foam may cause frothing. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapours and to provide protection for persons attempting to stop the leak.

explosion hazards: For fires involving this material, do not enter any enclosed or confined space without self-contained breathing apparatus to protect against the hazardous effects of combustion products or oxygen deficiency.

in case of spill:

Shovel up material and place in disposable container, observing precautions outlined in this MSDS. Scrub contaminated area with detergent and water using stiff broom or mop. Pick up liquid with an absorbent and place in a disposable container. Avoid eye and skin contact. Prevent contamination of groundwater or surface water.

Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures should be minimised. Water contamination should be avoided.

eyes:

No special eye protection is usually necessary.

Safety glasses, chemical type goggles, or face shield appropriate where splashing or misting is expected during routine operations or spill clean-up.

skin:

Exposed employees should exercise reasonable personal cleanliness; this includes cleansing exposed skin several times daily with soap and water, and laundering or dry cleaning soiled work clothing at least weekly.

inhalation:

None required when handling at minimum feasible temperatures.

ventilation:

Under normal applications of this product, general dilution ventilation is adequate.

exposure limits:

None established for product.

The ACGIH TLV for mineral oil mists is 5 mg/m³ for a daily 8-hour exposure. A short term exposure limit (STEL) of 10 mg/m³ is recommended.

note: The following data may represent a range of approximate or typical values for products in the same family. Precise technical information is provided in Product Bulletins and can be obtained from your Marketing Representative.

appearance & odor:	Light brown, buttery semi-solid, mild odor
boiling point (deg. c):	Not Determined
vapor pr. (mmhg @ 25 deg. c):	Low
density (kg/l at 15 deg. c):	Not Determined
vapor density (air = 1):	Not Determined
ph of undiluted product:	Not Applicable
solubility (water):	Negligible
percent volatile by volume:	Not Determined
evaporation:	Not Determined
viscosity (all product grades):	Not Determined
hazardous polymerizations:	DO NOT OCCUR
products of combustion:	Carbon monoxide, carbon dioxide, and aldehydes and ketones, combustion products of nitrogen or sulfur.
conditions to avoid:	Heat, Strong Oxidizers
general:	High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the

injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part. Take this information with you if you seek medical treatment.

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, hydrocracking and hydrotreating. These oils have not been listed in the U.S. National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as carcinogenic or probably carcinogenic to humans.

environmental effects: No specific ecotoxicity data on this product are available.

This product or a component(s) is expected to be resistant to biodegradation.

waste disposal: Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

remarks: None Determined.

transport of dangerous goods:

UN Number: Not Applicable

Dangerous Goods Class: Not Applicable

Proper Shipping Name: Not Applicable

Hazchem Code (Australia/NZ): Not Applicable

Additional Information: None Determined.

respirator information: None determined.

No specific notes on this product.

To the best of our knowledge, the information provided in this MSDS document is correct. Access to this information is being provided via the Internet so that it can be made available to as many potential users as possible. We do not assume any liability for consequences of the use of this information since it may be applied under conditions beyond our control or knowledge. Also, it is possible that additional data could be made available after this MSDS was issued. Certain hazards are described herein, however these may not be the only hazards that exist. All materials may present unknown hazards and should be used with caution. Customers are encouraged to review this information, follow precautions, and comply with all applicable laws and regulations regarding the use and disposal of this product. For specific technical data or advice concerning this product as supplied in your country please contact your local sales representative. The final determination of the suitability of any material is the sole responsibility of the user.

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