



LUBRICANTS AND GREASES

## MATERIAL SAFETY DATA SHEET

### LITHIUM EP-2 GREASE

Regarding to dangerous material and preparation of the, preparation and delivery of security information files are prepared in accordance with regulations (R.G. 13.12.2014- 29204 Mük. Sayı ).

#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY / UNDERTAKING

**1.1. Product name:** NP Lithium EP-2 Grease

**1.2. Product use:** : Grease

**1.3. Details of the supplier of the safety data sheet**

**Producer name:** Nil Petrol Sanayi ve Ticaret A.Ş.

**Address:** İnönü Mah.Gebze Plastikçiler Organize Sanayi Bölgesi 2.Cad 11.Sok No:9 Gebze-KOCAELİ/TURKEY

**Phone:** +90 262 502 15 43

**Fax:**+90 262 502 15 46

**1.4. Emergency phone**

**National Poison Information Center: 114**

#### 2. HAZARDS IDENTIFICATION

**Human health hazards:** Oversensitive persons may experience skin/eye irritation during long-term or repeated exposure.

**Physical / Chemical Hazards:** Not classified as dangerous.

**Environmental Hazards:** Not likely to be harmful to aquatic organisms.

#### 3. COMPOSITION/ INFORMATION ABOUT INGREDIENTS

A mixture of base oil and performance additives.

Chemical Composition	CAS NO.	EINECS No	Rate (%)	DSD Classification	CLP Classification
Lubricating oils (petroleum) Base oils; undefined	74869-22-0	278-012-2	60-90	-	-
Lithium Hydroxide, Monohydrate	1305-62-0	215-137-3	1-5	Xi;R41	Göz Hsr.1 H318

MSDS Number: NP/GBF/027

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There is no classification of certain substances in accordance with the legislation in force. The classification is made by the manufacturer. IP 346 'or by DMSO rate less than 3% is small.

### 4. FIRST-AID MEASURES

#### 4.1. Description of first aid measures

**General information;** If there are any suspicious circumstances and symptoms, consult a doctor. Stable side position at unconsciousness bring Seek medical advice. Immediately remove soiled and soaked clothes.

**Inhalation;** Remove the affected person to fresh air, keep them warm and calm.

**In contact with skin,** wash immediately with plenty of soap and water in contact with skin.

**In contact with eyes,** clear eyes in case of contact with eyes, enough with plenty of water and see the eye doctor immediately afterwards.

**Swallowing;** Rinse mouth with water (only if the person is conscious.) There is plenty of water to drink in small sips (dilution effect). Call a physician immediately. Do not induce vomiting.

#### 4.2. The most important acute and delayed symptoms / effects

If there are any suspicious circumstances and symptoms, consult a doctor.

#### 4.3. Indication of immediate medical attention and special treatment needed.

No information available.

### 5. FIRE-FIGHTING MEASURES

**5.1. Fire Extinguishers:** Foam, dry chemical and water spry should be used for small-scale fires. Should call fire department for large fire.

**5.2. Special Damages Resulting material and preparation:** toxic gases are released After Combustion. May burn at high temperatures.

**5.3. Recommendations for Fire Fighting Teams:** Should use protective clothing and oxygen mask for extinguishing Indoor locations fires by trained personnel. Do not intervene fire with water.

### 6. ACCIDENTAL RELEASE MEASURES

**6.1. Personal Precautions, Protective Equipment and Emergency Procedures:** Use personal protective equipment from item 8. Stand upwind from the release site.

**6.2. Environmental Measures:** Avoid spilling into water, sewerage and drainage systems by digging a protective ditch and/or setting up partitions of dry sand, soil or similar absorbent material. Use floating dams for water spills.

**6.3. Methods and materials to maintain and Clean:** Absorb the spilt product with absorbent or inert material. Store the waste material and contaminated surface layer of soil that was removed in closed



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containers in well-ventilated premises. Hand over for disposal to legal entities for hazardous waste disposal, authorized by the Ministry in charge of environmental protection.

**6.4. Other Partitioning Citations:** In case of larger spills, notify the communication unit at 112.

#### 7. HANDLING AND STORAGE

**7.1. Precautions for Safe Handling:** Use product in well ventilated premises. Keep away from sources of heat and ignition. Avoid contact with skin and eyes.

**7.2. Conditions for Safe Storage Dispute Involving:** It is recommended that base oil be stored in covered or closed area. Recommended storage temperature is 5-40 °C. Do not expose to direct sunlight or higher temperatures, avoid contact with water or strong oxidants. Material resistant to hydrocarbons.

**7.4. Specific end uses:** Pay attention to the technical data sheet.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1. Control parameters:** See item 7.

##### 8.2. Exposure Controls

**8.2.1. Appropriate engineering controls:** Ensure good ventilation of the environment.

##### 8.2.2. Personal Protective Equipment



**Respiratory protection:** During regular work, respiratory protective equipment is not required. In special cases (e.g. spills), use full face protective mask and in case of fire, use a self-contained pressurized air breathing apparatus.

**Hand protection:** Gloves made of PVC or neoprene, resistant to oils, greases, alkali and acids.

**Eye protection:** Protective goggles with side protection or protective visor.

**Skin and body protection:** Protective clothes and footwear.

**Special hygienic and safety precautions:** Smoking, eating and drinking is prohibited while handling this product. Wash hands before each work break.

**Additional warnings:** Immediately remove contaminated clothes and footwear.



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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

##### Physical properties

<b>State</b>	Paste	<b>Color</b>	Yellow	<b>Odor</b>	Characteristic
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##### Chemical properties

TEST	TEST METOD	TYPICAL VALUES
Color		Yellow
SoupType		Lithium
Penetration, Worked, 25 °C (0,1mm)	ASTM D 217	265-295
Dropping Point, min. (°C)	ASTM D 566	285
WorkingHeatmax. (°C)		130

#### 10. STABILITY AND REACTIVITY

**10.1. Reaction:** No information available.

**10.2. Chemical Stability:** No information available.

**10.3. Chance of Hazardous Reactions:** None.

**10.4. Conditions to Avoid:** Avoid contact with high temperatures and direct sunlight.

**10.5. Materials to avoid:** Avoid contact with water and strong oxidants.

**10.6. Hazardous decomposition products:** No information available.

#### 11. TOXICOLOGICAL INFORMATION

**Skin corrosion / irritation;** Prolonged or repeated contact with the skin can cause irritation. Contact with skin causes skin burns hot product.

**Serious eye damage / irritation;** Contact with the eyes can cause temporary blindness.

**Respiratory or skin sensitization;** When fog or smoke inhalation can irritate the eye, nose and throat. Hot steam is the product of irritating the upper respiratory tract.

**Germ cell mutagenicity;** Based on the available information, classification criteria is not fulfilled.

**Carcinogenicity;** Based on the available information, classification criteria is not fulfilled.

**Reproductive Toxicity;** Based on the available information, classification criteria are not fulfilled.



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**Specific Target Organ Toxicity- single exposure;** Based on the available information, classification criteria is not fulfilled.

**Loss of aspiration;** Based on the available information, classification criteria is not fulfilled

**LD50, Acute Toxicity Estimates or LC50;** Based on the available information, classification criteria is not fulfilled.

### **Other observations**

In case of compliance with general safety and industrial hygiene, not a hazard to the health of the staff during working with this product.

## 12. ECOLOGICAL INFORMATION

**12.1. Toxicity;** Does not harm the aquatic life forms. Spills make film layer on water and prevent oxygen transfer.

**12.2. Persistence and degradability;** Biodegrades itself.

**12.3. Biobirik potential;** Interest is not expected for bio-accumulation through food chains

**12.4. Mobility in soil;** Spilled product surface waters causes pollution

**12.5. Results of PBT and vPvB Assessment;** No data available

**12.6. Other Adverse Effects;** It has the ability to accumulate in the soil.

## 13. DISPOSAL INFORMATION

According to current legislation, it should be eliminated by licensed personnel.

## 14. TRANSPORT INFORMATION

### **GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR / RID).

### **Land transport (ADR / RID)**

Transportation is not dangerous. It not classified as hazardous for transport.

### **Marine transport (IMDG)**

Transportation is not dangerous. It not classified as hazardous for transport.

### **Air transport (ICAO)**

Transportation is not dangerous. It not classified as hazardous for transport.

## 15. REGULATORY INFORMATION



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#### 15.1. Special safety of the substance or mixture, health and environmental regulations / legislation

##### EU regulatory information

2010/75/AB (VOC): 0 %

##### National regulations Information

Water hazard class (D): 1 - causing a small amount of water pollution

#### 15.2. Chemical Safety Assessment

There are no material safety assessments for substances in this mixture.

### 16. OTHER INFORMATION

#### Symbol (s)

#### Full text of H sentence

H318— Cause serious eye damage

#### Full text of R-phrases

R41 -- There is a danger of serious damage to eyes .

#### Prepare the TSE (Turkish Standards Institute) Certified;

Certificate No: SDS-1999

Document Date: 06/18/2015

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Material Safety Data Sheet (MSDS) is drawn up on the basis of present knowledge and legislation in force at the moment of launching the product onto the market. Product is described on the basis of its safety data. The use of product for purposes other than those indicated above as well as its use with other materials during treatment process may cause hazards that are not described in this SDS. Responsibility of all the measures to be taken about the use of the product belongs to the user. This information that the data is correct or complete form is not guaranteed directly or indirectly in any way.

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