

## BRAKE FLUID DOT-3

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 BRAKE FLUID DOT-3

**1.2. Product use:** Intended to use in hydraulic braking systems and clutches, according to recommendations of vehicle manufacturers.

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

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

**Address:** İnönü Mahallesi Gebze Plastikçiler Organize Sanayi Bölgesi 2. Cadde 11. Sokak 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

**2.1. Classification of the substance or mixture**

	Classification	According to Regulation (EC) No 1272/2008
risks		
resulting from physicochemical properties:		Not classified as hazardous
for humans:		<b>Acute Tox. 4, H302</b> <b>Eye Dam. 1, H318</b>
for environment:		Not classified as hazardous

**2.2. Label elements**



Pictogram:

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Signal word: **WARNING**

Hazard statements:

**H302** Harmful if swallowed.

**H318** Causes serious eye damage.

Precautionary statements:

P264 Wash contaminated skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/ doctor.

P330 Rinse mouth.

P501 Dispose of contents/ container in accordance with national regulations.

### 2.3. Other hazards

## 3. COMPOSITION / INFORMATION ABOUT INGREDIENTS

**3.1. Substances** – not applicable

**3.2. Mixtures:**

Substance name	CAS No/ EC No	% wt.	Index number/ Registration number	Classification according to 1272/2008 (CLP)
2-(2-(2-BUTOXYETHOXY)ETHOXY) ETHANOL)	143-22-6/ 205-592-6	60-80	-	Eye Dam. 1, H318
2,2'OXYBISETHANOL	111-46-6/ 203-872-2	25-40	-	Acute Tox. 4-H302

Description of H phrases is given in Section 16.

## 4. FIRST-AID MEASURES

### 4.1. Description of first aid measures

**Inhalation:**

Move the victim to fresh air. Provide permeability of airways and breathing to the unconscious person. In case of difficulties with breathing provide medical attention.

**Skin contact:**



LUBRICANTS AND GREASES

## MATERIAL SAFETY DATA SHEET

### BRAKE FLUID DOT-3

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Rinse with plenty of water with soap. In case of irritation, provide medical attention.

#### **Eye contact:**

In case of contact with the eye, immediately remove contact lenses and rinse the eye under running water for about 15 minutes with opened eyelids. In case of a single eye contact, protect the other eye against contamination when rinsing.

In case of persistent irritation, consult an ophthalmologist.

#### **Ingestion:**

Move the victim to fresh air. Immediately wash mouth with water and then provide copious amounts of water to drink. In case of spontaneous vomiting, keep the victim in a forward leaning position with facet directed down. Call for medical help in case of no amelioration.

#### **4.2. Most important symptoms and effects, both acute and delayed**

**Inhalation:** No specific symptoms known

**Ingestion:** No specific symptoms known

**Skin Contact:** No specific symptoms known

**Eye Contact:** No specific symptoms known

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

**Notes for the doctor:** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### **5.1. Extinguishing media**

**Suitable extinguishing media:** The product is not flammable. Extinguish with alcohol\*resistant foam, carbon dioxide or dry powder

**Unsuitable extinguishing media:** Do not the flowing, water

#### **5.2. Special hazards arising from the substance or mixture**

In the fire environment smokes containing carbon oxides, nitrogen oxides (NOx) may be formed. Avoid breathing products being released in the fire environment.

#### **5.3. Advice for fire fighters**

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### 6. ACCIDENTAL RELEASE MEASURES

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Use individual protection measures – see section 8 of the Safety Data Sheet.

#### **6.2. Environmental precautions**

Do not discharge into drains or water courses or onto the ground.

#### **6.3. Methods and material for containment and cleaning up**

## BRAKE FLUID DOT-3

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Stop leak if possible without risk. Absorb in vermiculite, dry sand or eart and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

### 6.4. Reference to other sections

See also sections 8 and 13 of the Safety Data Sheet.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

**Usage precautions** Avoid spilling. Avoid contact with skin and eyes.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters

#### Occupational exposure limits

#### 2,2'-OXYBISETHANOL

Long-term exposure limit (8-hour TWA): WEL 23 ppm

101 mg/m<sup>3</sup> Short-term exposure limit (15-minute):

WEL WEL = Workplace Exposure Limit

### 8.2. Exposure controls

#### Protective equipment



**Appropriate engineering occupational controls**

Provide adequate ventilation. Avoid inhalation of vapours. Observe any exposure limits for the product or ingredients.

**Eye/face protection assessment indicates**

Eyewear complying with an approved standard should be worn if a risk eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

**Hand protection** should be worn if

Chemical-resistant, impervious gloves complying with an approved standard



LUBRICANTS AND GREASES

## MATERIAL SAFETY DATA SHEET

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	a risk assessment indicates skin contact is possible.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Hygiene measures</b> smoking	Do not smoke in work area. Wash at the end of each work shift and before eating, and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
<b>Respiratory protection</b> airborne	No specific recommendations. Respiratory protection may be required if excessive contamination occurs.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Green
<b>Odour</b>	Characteristic.
<b>Flash point</b>	>118°C CC (Closed cup).
<b>Relative density</b>	1.04-1.07 g/cm <sup>3</sup> @ 20°C
<b>Viscosity</b>	14.5-17 mm <sup>2</sup> /s @ 20°C

### 9.2. Other information

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid:

Avoid excessive heat for prolonged periods of time.

### 10.5. Incompatible materials

No specific material of group of materials is likely to react with the product to produce a hazardous situation.



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### 10.6. Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>)

Decomposition products in case of fire are given in section 5.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity -

oral

ATE oral (mg/kg) 166,667.0

**Inhalation** Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Liquid may irritate skin.

**Eye contact** Vapour or spray in the eyes may cause irritation and smarting.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Not regarded as dangerous for the environment.

12.1.

**Toxicity**

Acute toxicity -

fish

LC<sub>50</sub>, 96 hours: 596 (96 h) mg/l, Algae

**12.2. Persistence and degradability**

**12.3. Bioaccumulative potential**

**Bioaccumulative potential** The product is not bioaccumulating.

**12.4. Mobility in soil**

**12.5. Results of PBT and vPvB assessment**

**12.6. Other adverse effects**

## 13. DISPOSAL INFORMATION

### 13.1. Waste treatment methods

**Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.



LUBRICANTS AND GREASES

## MATERIAL SAFETY DATA SHEET

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#### 14. TRANSPORT INFORMATION

**General**

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

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

No transport warning sign required.

**Transport labels**

No transport warning sign required.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

**Environmentally hazardous substance/marine pollutant**

No.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78**

**and the IBC Code**

#### 15. REGULATORY INFORMATION

**Hazard statements in full**

H302 Harmful if swallowed.

H318 Causes serious eye damage.

**Prepare/Translator the TSE (Turkish Standards Institute) Certified;**

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Contact Address: [info@nilpetrol.com.tr](mailto:info@nilpetrol.com.tr)

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.