

TEK BRAKE & CLUTCH FLUID DOT3 / DOT4

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Use: Brake Fluid

Product Number(s): TEK20057/CS

Synonyms: TEK BRAKE & CLUTCH FLUID

Company Identification : PORT CONSOLIDATED INC.
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MIAMI FL 33167-2909
USA
www.portconsolidated.com

Emergency Phone: (954) 763-3390

Product Information: email : Info@tekstarlubricants.com
Web: www.tekstarlubricants.com
Product Information: (800) 683-5823
MSDS Requests: (800) 683-5823

SECTION 2: COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Diethylene glycol monobutyl ether	112-34-5	15 - 35 %weight
Triethylene glycol monobutyl ether	143-22-6	15 - 25 %weight
Diethylene glycol	111-46-6	< 10 %weight
Phosphoric acid, trisodium salt	7601-54-9	< 10 %weight

SECTION 3: HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye Contact: irritation under normal conditions of use. Symptoms of slight eye irritation may result when direct contact occurs.

Skin Contact: May cause slight irritation to skin.

Ingestion: Low toxicity if swallowed.

Inhalation: Under normal conditions of use, this is not expected to be a primary route of exposure.

Aggravated Medical Conditions: Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material: Eyes.

SECTION 4: FIRST AID MEASURES

Eye: Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment.

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Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: If swallowed, get medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person..

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5: FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources.

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

FLAMMABLE PROPERTIES:

Flashpoint: (Closed Cup) 135 °C (275 °F) (Typical)

Autoignition: No data available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Protection of Fire Fighters: Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.

Additional Advice: Keep adjacent containers cool by spraying with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations..

Reporting: Report spills to local authorities as appropriate or required.

SECTION 7: HANDLING AND STORAGE

General Precautions: Use local exhaust ventilation if there is risk of inhalation of vapours, mists or aerosols.

Properly dispose of any contaminated rags or cleaning materials in order to prevent fires. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.

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Handling: Avoid prolonged or repeated contact with skin. Avoid inhaling vapour and/or mists. When handling product in drums, safety footwear should be worn and proper handling equipment should be used.

Storage: Keep container tightly closed. Store in a cool, dry, well-ventilated area. Store only in approved containers. Do not store with strong oxidizing agents. Do not store at elevated temperatures. Avoid storing product in direct sunlight for extended periods of time. Storage area must meet OSHA requirements and applicable fire codes. Consult appropriate federal, state and local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers or waste residues of this product.

Product Transfer : Keep containers closed when not in use. Do not pressurize drum containers to empty.

Recommended Materials: For containers or container linings, use mild steel or high density polyethylene. Stainless steel. Carbon steel.

Unsuitable Materials: PVC.

Additional Information: Polyethylene containers should not be exposed to high temperatures because of possible risk of distortion. Ensure that all local regulations regarding handling and storage facilities.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS: Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS: Provide exhaust ventilation

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: Chemical splash goggles (chemical monogoggles).

Skin Protection: depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: Neoprene, Nitrile Rubber, Polyvinyl Chloride (PVC or Vinyl).

Respiratory Protection: No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapours [boiling point >65°C(149 °F)].

Respiratory Protection: No respiratory protection is normally required.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

Consult local authorities for appropriate values.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Amber

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Physical State: Liquid
Odor: Petroleum odor
pH: 7 - 11.5
Vapor Pressure: <0.1 @ 37.8 °C (100 °F)
Vapor Density (Air = 1): >1
Boiling Point: 272°C (521.6°F) (Typical)
Solubility: Soluble
Freezing Point: No data available
Melting Point: No data available
Specific Gravity: 1.02 (Typical)
Density: 1.01 kg/m³ - 1.04 kg/m³ @ 20°C (68°F)
Viscosity: 1.5 @ 100°C (212°F) Minimum
Evaporation rate (nBuAc=1) : Data not available

SECTION 10: STABILITY AND REACTIVITY

Stability : Stable. Hygroscopic.
Conditions to Avoid : Exposure to water vapour.
Materials to Avoid : Mineral oils. Water vapour.
Hazardous Decomposition: Hazardous decomposition products are not expected to form during normal storage.

SECTION 11: TOXICOLOGICAL INFORMATION

Basis for Assessment : Information given is based on data on the components and the toxicology of similar products.
Acute Oral Toxicity : Expected to be of low toxicity: LD50 > 5000 mg/kg
Acute Dermal Toxicity : Expected to be of low toxicity: LD50 > 5000 mg/kg
Acute Inhalation Toxicity : Expected to be of low toxicity: LC50 >5 mg/l Rat
Skin Irritation : Expected to be non-irritating to skin.
Respiratory Irritation : Inhalation of vapours or mists may cause irritation.
Sensitization : Not expected to be a skin sensitizer.
Repeated Dose Toxicity : Not expected to be a hazard.
Mutagenicity: Not expected to be mutagenic.
Carcinogenicity : Not expected to be carcinogenic.
Reproductive and Developmental Toxicity: May impair fertility at doses which produce other toxic effects.
(4,4'-isopropylidenediphenol)

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

Ready Biodegradability: This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material.

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SECTION 13: DISPOSAL CONSIDERATIONS

Material Disposal: Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses.

Container Disposal: Dispose in accordance with prevailing regulations, preferably to a recognized collector or contractor. The competence of the collector or contractor should be established beforehand.

Local Legislation: Disposal should be in accordance with applicable regional, national, and local laws and regulations.

SECTION 14: TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations.

DOT Shipping Description: Hydraulic System Fluid; not regulated as a hazardous material for transportation under 49 CFR

IMO/IMDG Shipping Description: Not Regulated as dangerous goods for transportation under the IMDG code

ICAO/IATA Shipping Description: Not regulated as dangerous goods for transportation under ICAO

SECTION 15: REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES:

1. Immediate (Acute) Health Effects: Yes
2. Delayed (Chronic) Health Effects: Yes
3. Fire Hazard: No
4. Sudden Release of Pressure Hazard: No
5. Reactivity Hazard: No

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1	03=EPCRA 313
01-2A=IARC Group 2A	04=CA Proposition 65
01-2B=IARC Group 2B	05=MA RTK
02=NTP Carcinogen	06=NJ RTK
	07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), EINECS (European Union), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: (Brake fluid)

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WHMIS CLASSIFICATION:

Class D, Division 2, Subdivision A: Very Toxic Material - Chronic Toxic Effects

Class D, Division 2, Subdivision B: Toxic Material - Skin or Eye Irritation

SECTION 16: OTHER INFORMATION

HMIS and NFPA Hazard Class Information:

HMIS Hazard Class: Health: 1 Flammability: 1 Reactivity: 0

NFPA Hazard Class: Health: 2 Flammability: 1 Reactivity: 0

Date of issue: 01/01/2014

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END OF MATERIAL SAFETY DATA SHEET