

12-15-16

SAFETY DATA SHEET

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

Product identifier

Product Name Super Tech Dot 3 Brake Fluid 1 Gallon

Super Tech Brake
Fluid Dot 3
Walmart

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Brake fluid

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name Technical Chemical Co.

Supplier Address 3327 Pipeline Road
Box 139
Cleburne
TX
76033
US

Supplier Phone Number Phone:817-645-6088
Fax:817-645-6088

Supplier Email mhutchinson@technicalchemical.com

Emergency telephone number

Company Emergency Phone Number 800-424-9300

2. HAZARDS IDENTIFICATION

Classification

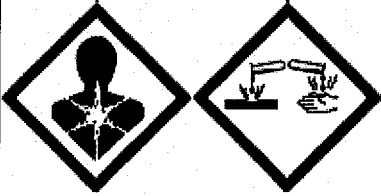
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).



| | |
|-----------------------------------|------------|
| Serious eye damage/eye irritation | Category 1 |
| Reproductive Toxicity | Category 2 |

GHS Label elements, including precautionary statements

Emergency Overview

| | | | |
|---|--|-----------------------|------------------|
| Signal word | Danger | | |
| Hazard Statements | Causes serious eye damage Suspected of damaging fertility or the unborn child | | |
|  | | | |
| Appearance | Light yellow | Physical state | Liquid |
| | | | Odor Mild |

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity

17.9 % of the mixture consists of ingredient(s) of unknown toxicity

Other information

May be harmful if swallowed



Interactions with Other Chemicals

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS No | Weight-% | Trade Secret |
|-------------------------------------|-----------|----------|--------------|
| Triethylene glycol, monobutyl ether | 143-22-6 | 7 - 13 | * |
| 3,6,9,12-Tetraoxahexadecan-1-ol | 1559-34-8 | 7 - 13 | * |
| Diethylene glycol | 111-46-6 | 3 - 7 | * |
| Diethylene glycol monobutyl ether | 112-34-5 | 3 - 7 | * |
| Diethylene glycol monomethyl ether | 111-77-3 | 1 - 5 | * |
| Diethylene glycol monoethyl ether | 111-90-0 | 1 - 5 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES**First aid measures****General Advice**

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention/advice.

Skin contact

Wash with soap and water.

Inhalation

Remove to fresh air.

Ingestion

Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

Self-protection of the first aider

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed**Most Important Symptoms and Effects**

Burning sensation.

Indication of any immediate medical attention and special treatment needed**Notes to Physician**

Treat symptomatically.



5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No information available.

Uniform Fire Code

Combustible Liquid: III-B
Irritant: Liquid

Hazardous Combustion Products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Other Information

Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Environmental precautions

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.



7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

Incompatible Products Strong oxidizing agents. Strong acids. Strong bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|--|----------|------------|
| Diethylene glycol monobutyl ether 112-34-5 | TWA: 10 ppm inhalable fraction and vapor | - | |

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties



| | | | |
|--|--------------------------|-----------------------|--------------------------|
| Physical state | Liquid | | |
| Appearance | Light yellow | Odor | Mild |
| Color | No information available | Odor Threshold | No information available |
| <u>Property</u> | <u>Values</u> | <u>Remarks</u> | <u>Method</u> |
| pH | 8 | None known | |
| Melting / freezing point | No data available | None known | |
| Boiling point / boiling range | 250 °C / 482 °F | None known | |
| Flash Point | 135 C / 275 F | None known | |
| Evaporation Rate | No data available | None known | |
| Flammability (solid, gas) | No data available | None known | |
| Flammability Limit in Air | | | |
| Upper flammability limit | No data available | | |
| Lower flammability limit | No data available | | |
| Vapor pressure | No data available | None known | |
| Vapor density | No data available | None known | |
| Specific Gravity | 1.050 | None known | |
| Water Solubility | Soluble in water | None known | |
| Solubility in other solvents | No data available | None known | |
| Partition coefficient: n-octanol/water | No data available | None known | |
| Autoignition temperature | No data available | None known | |
| Decomposition temperature | No data available | None known | |
| Kinematic viscosity | No data available | None known | |
| Dynamic viscosity | 2 | None known | |
| Explosive properties | No data available | | |
| Oxidizing properties | No data available | | |

Other Information

| | |
|----------------------------|-------------------|
| Softening Point | No data available |
| VOC Content (%) | No data available |
| Particle Size | No data available |
| Particle Size Distribution | |

10. STABILITY AND REACTIVITY**Reactivity**

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

Hazardous Decomposition Products

Carbon oxides.



11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|---|
| Inhalation | Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. |
| Eye contact | Specific test data for the substance or mixture is not available. Causes serious eye damage. (based on components). Severely irritating to eyes. May cause irreversible damage to eyes. |
| Skin contact | Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation. |
| Ingestion | Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|-----------------------|--|--------------------------------------|
| Triethylene glycol, monobutyl ether 143-22-6 | = 5300 mg/kg (Rat) | = 3480 mg/kg (Rabbit) | - |
| 3,6,9,12-Tetraoxahexadecan-1-ol 1559-34-8 | = 5175 mg/kg (Rat) | > 4000 mg/kg (Rat) | - |
| Diethylene glycol 111-46-6 | = 12565 mg/kg (Rat) | = 11890 mg/kg (Rabbit) | - |
| Diethylene glycol monobutyl ether 112-34-5 | = 5660 mg/kg (Rat) | = 2700 mg/kg (Rabbit) | - |
| Diethylene glycol monomethyl ether 111-77-3 | = 4 mL/kg (Rat) | = 2500 µL/kg (Rabbit) = 650 mg/kg (Rabbit) | - |
| Diethylene glycol monoethyl ether 111-90-0 | = 1920 mg/kg (Rat) | = 6 mL/kg (Rat) = 4200 µL/kg (Rabbit) | > 5240 mg/m ³ (Rat) 4 h |

Information on toxicological effects

Symptoms May cause blindness. Burning.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|---------------------------------|---|
| Sensitization | No information available. |
| Mutagenic Effects | No information available. |
| Carcinogenicity | Contains no ingredient listed as a carcinogen. |
| Reproductive toxicity | Contains a known or suspected reproductive toxin. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |



Chronic Toxicity Possible risk of irreversible effects.

Target Organ Effects Eyes. Reproductive System. Kidney. Liver.

Aspiration Hazard No information available.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)

3,638.00 mg/kg

ATEmix (dermal)

8,349.00 mg/kg (ATE)

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

| Chemical name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|---|--|---|----------------------------|---|
| Triethylene glycol, monobutyl ether 143-22-6 | 72h EC50: > 500 mg/L (Desmodesmus subspicatus) | 96h LC50: = 2400 mg/L (Pimephales promelas) 96h LC50: 2200 - 4600 mg/L (Leuciscus idus) | | 48h EC50: > 500 mg/L |
| 3,6,9,12-Tetraoxahexadecan-1-ol 1559-34-8 | 96h EC50: > 1000 mg/L (Pseudokirchneriella subcapitata) | 96h LC50: > 1000 mg/L (Salmo gairdneri) | EC50 > 100 mg/L 6 h | 48h EC50: > 1000 mg/L |
| Diethylene glycol 111-46-6 | | 96h LC50: = 75200 mg/L (Pimephales promelas) | EC50 = 29228 mg/L 15 min | 48h EC50: = 84000 mg/L |
| Diethylene glycol monobutyl ether 112-34-5 | 96h EC50: > 100 mg/L (Desmodesmus subspicatus) | 96h LC50: = 1300 mg/L (Lepomis macrochirus) | | 24h EC50: = 2850 mg/L 48h EC50: > 100 mg/L |
| Diethylene glycol monomethyl ether 111-77-3 | 72h EC50: > 500 mg/L (Desmodesmus subspicatus) | 96h LC50: = 7500 mg/L (Lepomis macrochirus) 96h LC50: = 5741 mg/L (Pimephales promelas) | EC50 > 10000 mg/L 17 h | 48h EC50: > 500 mg/L |
| Diethylene glycol monoethyl ether 111-90-0 | | 96h LC50: 19100 - 23900 mg/L (Lepomis macrochirus) 96h LC50: 11400 - 15700 mg/L (Oncorhynchus mykiss) 96h LC50: 11600 - 16700 mg/L (Pimephales promelas) 96h LC50: = 13400 mg/L (Salmo gairdneri) 96h LC50: = 10000 mg/L (Lepomis macrochirus) | | 48h EC50: 3940 - 4670 mg/L |

Persistence and Degradability

No information available.

Bioaccumulation

| Chemical name | Log Pow |
|---|---------|
| Triethylene glycol, monobutyl ether 143-22-6 | 0.51 |
| Diethylene glycol 111-46-6 | -1.98 |
| Diethylene glycol monomethyl ether 111-77-3 | -0.682 |
| Diethylene glycol monoethyl ether 111-90-0 | -0.8 |

Other adverse effects

No information available.



13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Dispose of contents/containers in accordance with local regulations.

California Hazardous Waste Codes 213

14. TRANSPORT INFORMATION

DOT
 Proper Shipping Name NOT REGULATED
 Hazard Class NON REGULATED
 N/A

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA
 Proper Shipping Name Not regulated
 Hazard Class NON REGULATED
 N/A

IMDG/IMO
 Hazard Class Not regulated
 N/A

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
DSL All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations



SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical name | CAS No | Weight-% | SARA 313 - Threshold Values % |
|--|----------|----------|-------------------------------|
| Triethylene glycol, monobutyl ether - 143-22-6 | 143-22-6 | 7 - 13 | 1.0 |
| Diethylene glycol monobutyl ether - 112-34-5 | 112-34-5 | 3 - 7 | 1.0 |
| Diethylene glycol monomethyl ether - 111-77-3 | 111-77-3 | 1 - 5 | 1.0 |
| Diethylene glycol monoethyl ether - 111-90-0 | 111-90-0 | 1 - 5 | 1.0 |

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | Yes |
| Fire Hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|--|------------|---------------|--------------|--------------|----------|
| Triethylene glycol, monomethyl ether 112-35-6 | X | | X | X | X |
| Triethylene glycol monoethyl ether 112-50-5 | X | | X | X | X |
| Triethylene glycol, monobutyl ether 143-22-6 | X | | X | X | X |
| Diethylene glycol 111-46-6 | | | X | | |
| Diethylene glycol monobutyl ether 112-34-5 | X | | X | X | X |
| Diethylene glycol monomethyl ether 111-77-3 | X | X | X | X | X |
| Diethylene glycol monoethyl ether 111-90-0 | X | | X | X | X |

International Regulations**Canada****WHMIS Hazard Class**

Not determined



16. OTHER INFORMATION

| | | | | | | | | |
|-------------|-----------------------|-----------|---------------------|----------|------------------------|----------|--|----------|
| NFPA | Health Hazards | 2 | Flammability | 1 | Instability | 0 | Physical and Chemical Hazards | - |
| HMIS | Health Hazards | 3* | Flammability | 1 | Physical Hazard | 0 | Personal Protection | X |

Chronic Hazard Star Legend * = Chronic Health Hazard

| | |
|----------------------|--|
| Prepared By | Product Stewardship 23 British American Blvd. Latham, NY 12110 1-800-572-6501 |
| Revision Date | 09-May-2016 |
| Revision Note | No information available |

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet

