



## SAFETY DATA SHEET

Wilwood Engineering

**Product Name:** XR RACE-ONLY BRAKE FLUID

**Effective Date:** 15 January 2021

**Publication Date:** 15 January 2021 (v1.0)

### 1. **PRODUCT AND COMPANY IDENTIFICATION:**

Trade Name:

Wilwood Racing XR Race-Only Brake Fluid

Non-DOT

Product Number:    290-16353    500ml Can  
                              290-16354    Case of 4, 500ml Cans  
                              290-16355    Case of 12, 500ml Cans

#### **Identified Uses:**

Hydraulic fluid for use in automotive brake and clutch systems.

#### **Company Identification:**

Wilwood Engineering  
4700 Calle Bolero  
Camarillo, CA 93012, USA

#### **Emergency Telephone Number:**

(805) 388-1188. Hours 7:30 am – 5:00 pm, Monday – Friday, PST  
After Hours, N/A

### 2. **HAZARDS IDENTIFICATION:**

#### **Emergency Overview:**

Color: Amber

Physical State: Liquid

Odor: Mild

Hazards of product: DANGER! Causes severe eye burns. Evacuate area.

#### **OSHA/HCS Status:**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### **Classification of the substance or mixture:**

Repr. 2; H361d, Suspected of damaging the unborn child.

Label Elements:

Hazard pictograms



Signal word:  
WARNING

Hazard Statements:

Suspected of damaging the unborn child.

Safety Statements:

P101 – If medical advice is needed, have product container or label on hand.

P280 – Wear protective gloves, protective clothing, eye and face protection.

P202 – Do not handle until all safety precautions have been read and understood.

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

P301+P310, IF SWALLOWED – Immediately call a POISON CONTROL CENTER or medical professional

P405 – Store Locked up.

P501 – Dispose of container and contents to an approved waste disposal facility according to the laws in your community.

Other Hazards:

Product is not classified as flammable or combustible but will burn.

Product is not classified as PBT or vPvB according to Annex XIII.

3. **COMPOSITION INFORMATION:**

**Substances** – Not applicable

**Mixtures – General Description:**

Blend of polyglycol ethers, glycol ether esters and polyglycols with added corrosion and oxidation inhibitors.

<u>Ingredient</u>	<u>EC No.</u>	<u>CAS No.</u>	<u>Registration No.</u>	<u>% w/w</u>	<u>Classification</u>
Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl]orthoborate	250-418-4	30989-05-0	01-2119462824-33	30-90%	Repr. 2, H361d

See Section 16 for an explanation of the classification codes.

#### 4. **FIRST AID MEASURES:**

**General Advice** - If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid). First Aid responders should pay attention to self-protection and use any recommended protective clothing – see section 8. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

**Inhalation** - remove victim to fresh air – and keep at rest. If recovery is not rapid, seek medical attention.

**Skin contact** - remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners. If irritation persists seek medical attention.

**Eye contact** - Remove contact lenses and open eyes widely. Flush eyes with water or saline water (65-85°F) for at least 5 minutes. If any irritation persists, seek medical assistance and continue flushing during transport.

**Ingestion** – Obtain medical advice immediately and bring the safety data sheet or label from the product. Provide plenty of water for the person to drink and stay with them. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

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

The most important symptoms and effects are described in sections 2 and 11.

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

Medical personnel seeking to administer first aid are referred to the Poison Control Center services, who can advise in such instances. There is no specific antidote and treatment of over exposure should be directed at control of symptoms and the patient's clinical condition.

#### 5. **FIRE FIGHTING MEASURES:**

**Suitable Extinguishing Media** - Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire. However, they may be used to cool adjacent containers.

**Special Hazards Arising** - Fire will result in dense smoke. Exposure to combustion products may contain harmful or irritant fumes and harm your health. Closed

containers, which are exposed to fire, may rupture from gas generation and should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are: Carbon oxides (CO / CO<sub>2</sub>).

**Advice for Fire Fighters** - Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the **Poison Control Hotline** at **1-800-222-1222 (24/7)** to obtain further advice.

## 6. ACCIDENTAL RELEASE MEASURES:

### **Personal Precautions, protective equipment and emergency procedures**

Prevent unnecessary personnel entering area of spillage. Avoid contact with eyes, skin, and clothing. Avoid inhalation of vapors from spilled material. When cleaning up large spills, appropriate protective clothing should be worn including eye protection and impervious gloves - see section 8 for details.

### **Environmental Precautions**

Prevent from entering drains, ditches, lakes, streams, or rivers. If this happens inform relevant authorities. Prevent gross contamination of soil.

### **Methods and materials for containment and cleaning up**

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste. Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### **References to other sections**

See section on "Disposal considerations" in regard of handling of waste.  
See section on 'Exposure controls/personal protection' for protective measures.

## 7. HANDLING and STORAGE:

**Precautions for Safe Handling** - Avoid any method of handling that generates mists or aerosols. Do not eat, drink or smoke when handling this product. See section on 'Exposure controls/personal protection' for information on personal protection.

### **Conditions for safe storage including any incompatibilities**

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent

leakage. Avoid contamination with any other substances and in particular with mineral oils which are incompatible.

**Specific end use(s)**

This product should only be used for applications quoted in section 1, "Identified Uses." Users are referred to the specification SAE J1707 "Service maintenance of brake fluids."

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION:****Control Parameters**

No substances are listed with a permissible exposure limit (ref: 29 CFR 1910.1000 TABLE Z-1)

**Exposure Controls** - Control is unnecessary if the product is used as intended. There are no exposure scenarios implemented for this product. Occupational exposure limits have not been defined for the substances in this product. Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

**Hygiene Measures** - In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

**Measures to Avoid Environmental Exposure** - Keep spill absorbent materials available in the workplace. If possible, clean up any spills immediately.

**Individual Protection Measures** - Use only protective equipment with a recognized certification mark, e.g. the UL mark. There are no specific requirements for respiratory equipment or skin protection.



**Hand Protection** – recommended Butyl material, 0.3 mm thickness with a breakthrough time > 480 minutes. Standards: EN374-2, EN374-3, EN388.



**Eye Protection** – wear safety glasses with side shields. Standard: EN166

**9. PHYSICAL and CHEMICAL PROPERTIES:****Information of basic physical and chemical properties**

Physical state: Liquid

Color: Amber

Odor: Mild

pH: not available

Density (g/cm<sup>3</sup>): 1.01 – 1.095

**Phase changes**

Melting point: not available

Boiling point: not available

Vapor pressure: not available

Vapor density: testing not relevant or not possible due to nature of the product.

Decomposition temperature: not available

Auto flammability: testing not relevant or not possible due to nature of the product.

Water solubility: soluble

10. **STABILITY and REACTIVITY:**

**Reactivity** - No hazardous reactions if stored and handled as indicated.

**Chemical Stability** - Product is stable under normal conditions.

**Possibility of hazardous reactions** – nothing special

**Conditions to avoid** – nothing special

**Incompatible materials** – Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**Hazardous decomposition products** – does not degrade when used as specified

11. **TOXICOLOGICAL INFORMATION:**

**Acute Toxicity:**

**Ingestion** - data toxicity is low (LD 50 Rat >5000 mg/kg).

**Inhalation** - not applicable due to low vapor pressure of product.

**Dermal** - based on read across data toxicity is low (LD 50 Rabbit >3000 mg/kg).

**General** - although acute toxicity of this product is low, if significant amounts are absorbed there is a risk of renal damage which could lead to kidney failure or even death. Other symptoms of overexposure include Central Nervous System effects, abdominal discomfort, metabolic acidosis and headache or nausea.

**Skin Irritation** - based on available data, the classification criteria are not met. However, repeated contact may de-fat the skin and cause dermatitis.

**Serious eye damage** - based on available data, classification criteria are not met.

**Respiratory or skin sensitization** - based on available data, classification criteria are not met.

**Carcinogenicity** - based on available data, classification criteria are not met.

12. **ECOLOGICAL INFORMATION:**

**Toxicity** - low ecotoxicity. Fish 96h LC50 >100mg/l (Oncorhynchus Mykiss)  
Daphnia 48h EC50 Not determined but expected to be virtually non-toxic  
Algae 72h EC50 Not determined but expected to be virtually non-toxic.

**Persistence and Degradability** - Product is inherently biodegradable and is expected to be readily biodegradable. No adverse effects of the degrading action of live sludge are expected.

**Bioaccumulative Potential** - Not expected to bio accumulate. Log POW for all main ingredients = < 2.0

**Mobility in soil** - Soluble in water and will partition to aqueous phase. Volatilization from water to air not expected. Mobile in soil until degraded.

13. **DISPOSAL CONSIDERATIONS:**

**Waste Treatment Methods** - DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. Product is covered by the regulations on hazardous waste. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Recycling or controlled incineration with energy recovery are recommended.

**Contaminated packaging** - empty containers should be recycled or otherwise disposed of by an approved waste management facility similarly to the product. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Do not re-use containers for any purpose.

14. **TRANSPORT INFORMATION:**

**Land Transport**

ADR - Not classified

RID - Not classified

**Sea Transport**

IMO/IMDG - Not classified

Marine Pollutant - No

**Air Transport**

IATA/IACO - Not classified

**Inland waterways**

ADN - Not classified

**Packing Group** - N/A

**Environmental Hazards**

Not environmentally hazardous

**Special precautions for user**

None relevant

**Transport in bulk (annex II of Marpol)**

Not classified.

15. **REGULATORY INFORMATION:**

**Safety, health and environmental regulations / legislation specific to the substance or mixture.**

**U.S. Federal regulations:**

**TSCA** - Amines, C12-16-alkyldimethyl is listed in the non-confidential portion

**Clean Air Act** - Glycol ethers are regulated as a generic class under this legislation.

**EPCRA Section 302** - None of the components are listed

**EPCRA Section 304** - None of the components are listed

**EPCRA section 313** - Glycol ethers are regulated as a generic class under this legislation.

**CERCLA** - Glycol ethers are regulated as a generic class under this legislation.

**State Regulations:**

**California PROP. 65** - None of the components are listed

**Sources:**

OSHA Hazard Communication Standard (29 CFR 1910.1200)

16. **OTHER INFORMATION:**

**Abbreviations and acronyms used in this data sheet:**



ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS = Chemical Abstracts Service

CERCLA = Comprehensive Environmental Response Compensation and Liability Act

EPCRA = Emergency Planning and Community Right-To-Know Act

IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OSHA = Occupational Safety and Health Administration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

TSCA = The Toxic Substances Control Act

**NOTICE:**

The information herein is presented in good faith and believed to be accurate as of the effective date shown on the first page of this document. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See Safety Data Sheet for health and safety information.