

Safety Data Sheet

Product: Universal Tractor Fluid J20C

Section 1: Identification

Product Identifier: Universal Tractor Fluid J20C
SDS Number:
Grades:
Product description: Petroleum oil, lube oil, lubricant
Intended Use: A universal tractor fluid for power shift transmissions, final drives and hydraulics
Emergency Health and Safety Number: FOR TRANSPORT EMERGENCY call CHEMTREC: (+1) 703-527-3887 (outside the U.S.), 1-800-424-9300 (in the U.S.)

Manufacturer: ZXP Technologies 409 E. Wallisville Rd. Highlands, TX 77562	SDS Information: Phone: 281-426-8800 Email: techservices@zxpotech.com URL: www.zxpotech.com	Customer Service: 281-426-8800
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Section 2: Hazards Identification

Classified Hazards This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.	Hazard(s) Not Otherwise Classified Repeated exposure may cause skin dryness or cracking
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Label Elements

No classified hazards

Section 3: Composition / Information on Ingredients

Component	CAS	Concentration ¹
Lubricating oils, petroleum, hydrotreated spent	64742-58-1	80-90
Mineral Oil	Mixture	3-7
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	3-7
Phosphorodithioic acid, O, O-di-C1-14-alkyl esters, zinc salts	68649-42-3	1-2
Calcium long-chain alkaryl sulfonate	Proprietary	0.5-1.5

Section 4: First Aid Measures

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if needed.

Skin Contact: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Inhalation (Breathing): Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Ingestion (Swallowing): Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms/Effects

Acute: No information on significant adverse effects.

Delayed: No information on significant adverse effects.

Indication of Immediate Medical Attention and Special Treatment Needed, If Needed: Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

NFPA 704 Hazard Class

Health: 1 **Flammability:** 1 **Instability:** 0

0 (Minimal)
1 (Slight)
2 (Moderate)
3 (Serious)
4 (Severe)

Suitable Extinguishing Media: Carbon dioxide, regular foam, dry chemical, water spray, or water fog. Water or foam may cause frothing.

Unsuitable Extinguishing Media: Do not use high-pressure water streams.

Specific hazards arising from the chemical: Negligible fire hazard. Avoid friction, static electricity and sparks.

Hazardous Combustion Products: Decomposition and combustion materials may be toxic. Burning may produce aldehydes, ketones, carbon dioxide, carbon monoxide, hydrogen sulfide, oxides of nitrogen, oxides of sulfur, and unidentified organic compounds.

Special protective equipment for firefighters: Wear full protective firefighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure.

Fire Fighting Measures: A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment.

Methods and material for containment and cleaning up: Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if possible without personal risk. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and void breathing vapor or mist. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, spark proof tool into a sealable container for disposal. Additionally, for large spills: Dike far ahead of liquid spill for collection and later disposal.

Section 7: Handling and Storage

Precautions for safe handling: Keep away from sparks or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. When transferring large volumes of product, metal containers, including trucks and tank cars, should be grounded and bonded. These products have low vapor pressure and is not expected to present an inhalation hazard under normal temperatures and pressures. However, when aerosolizing, misting, or heating this product, do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing, and shoes.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from heat, flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain product residue and can be dangerous.

Incompatibilities: Avoid acids, oxidizing materials, chlorates, nitrates, and peroxides.

Section 8: Exposure Controls / Personal Protection

Component Exposure Limits: ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Appropriate Engineering controls: Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls.

Individual protective measures, such as Personal Protective Equipment: Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required: Safety glasses, gloves and lab coat or apron.

Eye/face Protection: Safety glasses with side shields should be worn at a minimum. Additional protection, such as goggles, face shields, or respirators may be needed depending upon anticipated use and concentrations of vapors or mists. Provide an emergency eye wash fountain and quick drench shower in the immediate work area. Contact lens use is not recommended.

Skin protection: Where skin contact is likely, wear chemical impervious protective gloves; use of natural rubber (latex), polyvinyl chloride (PVC) or equivalent gloves is not recommended.

Respiratory protection: No respiratory protection is normally required. Use NIOSH-certified P- or R- series particulate filter and organic vapor cartridges when concentration of vapor or mist exceeds applicable exposure limits. Protection provided by air purifying respirators is limited. Do not use N-rated respirators. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4.

Section 9: Physical and Chemical Properties

Appearance: Amber

Physical Form: Liquid

Odor: Petroleum

Odor Threshold: Not available

pH: Not available

Melting Point: Not available

Boiling Point/Boiling Range: 475F (246C)

Flashpoint: 390F (246C)

Burning time: Not available

Burning rate: Not available

Evaporation rate: Not available

Lower explosion limit: Not available

Upper explosion limit: Not available

Vapor pressure: <0.1 mmHg at 68F

Vapor density: Not available

Water solubility: Insoluble

Density: 7.3 lb/us gal (870 g/l)

Partition coefficient (n-octanol/water): Not available

Viscosity: >20.5 mm²/s @ 104F (40C)

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Specific Gravity: 0.87 (water = 1)

Section 10: Stability and Reactivity

Reactivity: No reactivity hazard is expected

Chemical stability: Stable under normal temperatures and pressures.

Possibility of hazardous reactions: Will not polymerize.

Conditions to avoid: Avoid sparks, flames, or other sources of ignition

Incompatible materials: Avoid acids, oxidizing agents, chlorates, nitrates, and peroxides.

Hazardous decomposition products: None under normal temperatures and pressures.

Section 11: Toxicological Information

Toxicity Data and Information

Component Analysis – LD50/LC50

Lubricating oils, petroleum, hydrotreated spent (64742-58-1)

Dermal LD50 Rabbit >4480 mg/kg; Oral LD50 Rat >2000 mg/kg

Aspiration Hazard: There is no data available

Ingestion: May be harmful if swallowed

Skin Corrosion/Irritation: May cause slight skin and respiratory irritation.

Serious Eye Damage/Irritation: No information on significant adverse effects.

Skin Contact: Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis).

Respiratory Sensitization: No information available for the product.

Specific Target Organ Toxicity (Single Exposure): No information on significant adverse effects.

Specific Target Organ Toxicity (Repeated Exposure): No information on significant adverse effects.

Carcinogenicity: None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP

Germ Cell Mutagenicity: No information available for the product.

Reproductive Toxicity: No epidemiological data is available for this product.

Medical Conditions aggravated by Exposure: Individuals with pre-existing respiratory tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

Section 12: Ecological Information

GHS Classification:
No classified hazards

Ecotoxicity: Toxic to aquatic life

Component Analysis – Ecotoxicity – Aquatic Toxicity

Lubricating oils, petroleum, hydrotreated spent (64742-58-1)

Duration/Test/Species	Concentration/Conditions
96 Hr LC50 Brachydanio rerio	79.6 mg/L (semi-static)
96 Hr LC50 Pimephales promelas	3.2 mg/L (semi-static)

Petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)

Duration/Test/Species	Concentration/Conditions
96 Hr LC50 Oncorhynchus mykiss	>5000 mg/L

Phosphorodithioic acid, O, O-di-C1-14-alkyl esters, zinc salts (68649-42-3)

Duration/Test/Species	Concentration/Conditions
96 Hr LC50 Pimephales promelas	1.0-5.0 mg/L (static)
96 Hr LC50 Pimephales prmelas	10.0-35.0 mg/L (semi-static)

Persistence and degradability: There is no data available

Bioaccumulative potential: There is no data available

Mobility in Soil: There is no data available

Other Adverse Effects: No additional information available.

Section 13: Disposal Considerations

Disposal methods: Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. These products, if discarded, are not expected to be a characteristic or listed hazardous waste. If recycled as used oil in the USA, they can be managed in accordance with the used oil exemption under 40 CFR Part 279. Processing, use or contamination by the user may change the waste code(s) applicable to the disposal of these products.

Section 14: Transport Information

Emergency Response Guide Number

Not applicable

DOT Shipping Name: Not regulated as a hazardous material

TDG Shipping Name: Not regulated as a dangerous good.

Section 15: Regulatory Information

Volatile Organic Compounds (as regulated)

Negligible, as per 40 CFR Part 51.000(s)

Federal Regulations

SARA 302/304

Component Analysis

Based on the ingredient(s) listed in SECTION 3, this product does not contain any “extremely hazardous substances” listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Par 355, Appendix A and B.

SARA 311/312 Hazardous Categories

Acute Health: No Chronic Health: No Fire: No Pressure: No Reactive: No

SARA 313

Component Analysis

This product does not contain a “toxic” chemical subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

CERCLA

Component Analysis

Based on the ingredient(s) listed in SECTION 3, this product does not contain any “hazardous substance” listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

TSCA Inventory

All the components of these products are listed on, or are automatically included as “naturally occurring chemical substances” on, or are exempted from the requirement to be listed on, the TSCA Inventory.

Component Analysis

Component	CAS #	TSCA
Lubricating oils, petroleum, hydrotreated spent	64742-58-1	Yes
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	Yes
Phosphorodithioic acid, O, O-di-C1-14-alkyl esters, zinc salts	68649-42-3	Yes

U.S. State Regulations

None of the product’s components are listed on the state lists from CA, MA, MN, NJ, or PA.

No component(s) are listed under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).

Canadian Regulations

These products have been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all information required by the CPR.

Component Analysis

Component	CAS #	CAN
Lubricating oils, petroleum, hydrotreated spent	64742-58-1	DSL
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	DSL
Phosphorodithioic acid, O, O-di-C1-14-alkyl esters, zinc salts	68649-42-3	DSL

Canadian WHMIS Information

No classification is assigned based on classification criteria.

Component Analysis

Not regulated

Section 16: Other Information

Date of Issue:	Previous Issue Date:	SDS Number:	Status:
04/05/2024	none		FINAL

Guide to Abbreviations:

ACGIH = American Conference of Governmental Industrial Hygienists; CASRN = Chemical Abstracts Service Registry Number; CEILING = Ceiling Limit (15 minutes); CERCLA = The Comprehensive Environmental Response, Compensation, and Liability Act; EPA = Environmental Protection Agency; GHS = Globally Harmonized System; IARC = International Agency for Research on Cancer; INSHT = National Institute for Health and Safety at Work; IOPC = International Oil Pollution Compensation; LEL = Lower Explosive Limit; NE = Not Established; NFPA = National Fire Protection Association; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; PEL = Permissible Exposure Limit (OSHA); SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit (15 minutes); TLV = Threshold Limit Value (ACGIH); TWA = Time Weighted Average (8 hours); UEL = Upper Explosive Limit; WHMIS = Worker Hazardous Materials Information System (Canada)

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