

TEK DIESEL EXHAUST FLUID

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Use: Selective Catalytic Reduction System to reduce Nox emissions

Product Number(s): TEK20030

Synonyms: TEK DIESEL EXHAUST FLUID

Company Identification : PORT CONSOLIDATED INC.
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MIAMI FL 33167-2909
USA
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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
Urea	57-16-6	20-40%
Water	7732-18-5	

SECTION 3: HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Emergency Overview:

Caution

Eye and Skin Irritant

Symptoms Of Over Exposure:

Routes of exposure: Eye, Skin contact, Inhalation, Ingestion

Eyes: May cause irritation

Skin: May cause irritation

Inhalation: May cause irritation, May cause respiratory tract irritation

Ingestion: May cause stomach distress, nausea or vomiting

Target Organs: Eyes, skin and respiratory system.

Signs and symptoms: May include redness, drying, cracking of the skin,

Symptoms of exposure may be headache, dizziness, tiredness, nausea and vomiting.

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SECTION 4: FIRST AID MEASURES

Eye: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Ingestion: If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

Inhalation: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Note to Physicians: Victims of chemical exposure and all rescuers must be taken for medical attention. Take a copy of label and MSDS to physician or health professional with victim.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: Not flammable.

Test Method: Not flammable.

LEL Flammable Limits: Not flammable.

UEL Flammable Limits: Not flammable.

Autoignition Temperature: Not flammable.

Extinguishing Media: Water spray, Foam, Carbon Dioxide, Dry-Chemical.

Unusual Fire and Explosion Hazards: Avoid high temperatures that may cause thermal decomposition.

Special Firefighting Procedures: Wear positive pressure, self-contained breathing apparatus (SCBA) and goggles.

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

Precautionary Measures: Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Do not breathe vapor or fumes. Wash thoroughly after handling.

General Handling Information: Do not taste or swallow antifreeze or solution. Keep out of the reach of children and animals.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient.

Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch

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loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Storage: Do not store in open or unlabeled containers. Store only in approved containers.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Consult appropriate federal, state and local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers or waste residues of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation/Engineering Controls: Use with adequate ventilation to keep airborne levels below recommended exposure limits.

Respiratory Protection: If work conditions generate vapors or mist, wear a NIOSH approved respirator appropriate for those emission levels. Appropriate respirator may be a full face piece respirator, an SCBA in the pressure demand mode, or a supplied-air respirator.

Eye Protection: Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, contact lenses should not be worn when working with chemicals because they contribute to the severity of an eye injury.

Hand Protection: Rubber gloves with gauntlets.

Body Protection: Use body protection appropriate for task. Chemical-resistant coveralls and rubber aprons are generally acceptable.

Other Protective Measures: An eyewash and safety shower should be nearby and ready for use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance:	Clear, colorless Liquid
Boiling Point:	104°C
Odor:	Very slight ammonia odor
Freezing Point:	-12°C
pH:	9.8 to 10.0
Water Solubility:	100%.
Density:	9.1 lbs/gallon.
Specific Gravity (H₂O = 1):	1.087 – 1.093 @ 20°C
Vapor Pressure:	NA.
Vapor Density (air = 1):	NA.

NA = Not Available

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SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under recommended storage conditions

Conditions to Avoid: Do not mix with any other chemicals or products.

Incompatibility: Avoid contact with strong oxidizers (chlorine, peroxide, chromates, nitric acid, perchlorates, concentrated oxygen, and permanganates) which can generate heat, fire or explosions or release toxic fumes.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Oxides of nitrogen, oxides of carbon, and ammonia

SECTION 11: TOXICOLOGICAL INFORMATION

The Toxicity Data:

Urea LD50 Oral RAT 8471 mg/kg

Acute Effects:

Eyes: Moderate irritant. May cause redness, burning, inflammation, and/or damage.

Skin: Moderate irritant, especially with prolonged exposure. May cause skin ulceration and/or burns.

Ingestion: May cause severe gastrointestinal irritation, vomiting, stomach cramps, and diarrhea. May interfere with circulation and oxygen carrying capacity of blood with prolonged exposure.

Inhalation: May cause irritation to mucous membranes, coughing, or breathing difficulties. If exposed to decomposition gases remove from area immediately.

Chronic Effects: Not Available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity- Freshwater Fish Species Data

Urea 5713-6 96 Hr LC50 Barillius barna: >9,100 mg/l

Ecotoxicity- MicroTox Data

Urea 5713-6 24 Hr EC50 Daphnia magna straus: >10,000 mg/l.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste from Residues: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulation.

Contaminated Packaging: No consideration given when disposed of according to local, state, and Federal regulations.

SECTION 14: TRANSPORT INFORMATION

This material is not regulated by US DOT for highway transportation.

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SECTION 15: REGULATORY INFORMATION

CERCLA: A spill or release of this material may trigger the emergency release reporting requirements under CERCLA (40CFR Part 300) and/or SARA Title III (40 CFR Part 355). State and local reporting requirements may differ from federal requirements. Consult for further guidance on your responsibilities under these laws: (urea)

SARA Reporting Requirements: SARA, TITLE III, SECTION 313: This product not does contain toxic chemicals subject to the reporting requirements of Section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986.

SECTION 16: OTHER INFORMATION

Hazardous Material Information Rating System:

(0 = least; 1 = slight; 2 = moderate; 3 = high; 4 = extreme)

Health (blue) 1

Flammability (red) 0

Reactivity (yellow) 0

Date of issue: 01/01/2014

Disclaimer or Expressed and Implied Warranties:

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END OF MATERIAL SAFETY DATA SHEET