

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

**Product identifier**

**Product Name:** POWER STEERING TREATMENT

**Other means of identification**

**Common Name:** 5200  
**UN/ID No** Not regulated  
**Synonyms** None  
**Product Categories** Additive, Lubricant

**Recommended use of the chemical and restrictions on use**

**Sale and Use Restrictions** Not applicable  
**Recommended Use** Restricted to professional users.  
**Uses advised against** Consumer use

**Details of the supplier of the safety data sheet**

**Supplier Address**  
 ACEL, LLC.  
 6826 Hill Park Dr. Suite #100  
 Lorton, VA 22079

**Emergency telephone number**

**Company Phone Number** ACEL, LLC. (888) 801-2507  
**Emergency Telephone** CHEMTREC 1-800-424-9300


## 2. HAZARDS IDENTIFICATION

**Classification**

|                     |            |
|---------------------|------------|
| Aspiration toxicity | Category 1 |
|---------------------|------------|

**Label elements**

**Emergency Overview**

|   |                              |                            |
|---|------------------------------|----------------------------|
| <b>Danger</b>   |                              |                            |
| <b>Hazard statements</b><br>May be fatal if swallowed and enters airways            |                              |                            |
|  |                              |                            |
| <b>Appearance</b> Oil   | <b>Physical state</b> Liquid | <b>Odor</b> Mild Petroleum |

**Precautionary Statements - Response**

IF SWALLOWED: Immediately call a POISON CONTROL CENTER or doctor/physician  
 Do not induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

**Other information**

- Harmful to aquatic life with long lasting effects
- 1.2 % of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Components                        | CAS Number | Weight % | Trade Secret |
|-----------------------------------|------------|----------|--------------|
| Hydrotreated Heavy Paraffinic Oil | 64742-54-7 | 90-100   | *            |
| Mineral Oil                       | MIXTURE    | 1-3      | *            |
| Hydrotreated Light Paraffinic Oil | 64742-55-8 | 1-3      | *            |

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

**4. FIRST AID MEASURES**

**First aid measures**

- Skin contact** Remove contaminated clothing and shoes. Wash with plenty of soap and water. If skin irritation persists, call a physician. Wash contaminated clothing before reuse.
- Inhalation** IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention.
- Eye contact** Flush eyes with water for 15 minutes. If eye irritation persists: Get medical advice/attention.
- Ingestion** Do not induce vomiting. Call a physician or Poison Control Center immediately. Risk of product entering the lungs on vomiting after ingestion.
- Notes to Physician** Acute aspirations of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Inhalation of oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Drowsiness, Dizziness, Coughing and/ or wheezing, Skin irritation, Eye irritation.

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

**Self-protection of the first aider** Low hazard for usual industrial or commercial handling.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:**

Water spray or fog; Foam, Dry chemical, Carbon dioxide (CO2).

- Small Fire** Dry chemical or CO2.
- Large Fire** Water spray or fog, Foam.
- Explosive properties:** Risk of explosion if heated under confinement: Fire or intense heat may cause violent

rupture of packages.

**Specific hazards arising from the chemical**

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Some may burn, but not ignite readily.

**Hazardous combustion products** Aldehydes, Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Hydrocarbons, Nitrogen oxides (NO<sub>x</sub>), Oxides of sulfur, Alkyl Mercaptans.

**Specific methods:**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** May be ignited by heat, sparks or flames.

**Special firefighting procedures:**

No action shall be taken involving any personal risk without suitable training. Evacuate surrounding areas. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Dike to collect large liquid spills. Keep exposed unopened containers cool to prevent rupture. Use water spray to keep fire-exposed containers cool. Do not use a solid water stream as it may scatter and spread fire.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Contaminated surfaces will be extremely slippery. Keep people away from and upwind of spill/leak. Use personal protective equipment. See Section 8 for information on appropriate personal protective equipment.

**For emergency responders** Use personal protection recommended in Section 8. Remove all sources of ignition.

**Environmental precautions**

**Environmental precautions:** Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system. Water runoff can cause environmental damage. Local authorities should be advised if significant spillages cannot be contained.

**Methods and material for containment and cleaning up**

**Methods for Containment** Dike far ahead of spill; use dry sand to contain the flow of material. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to state, local, federal regulations.

**Methods for clean-up:** Clean-up methods - small spillage: Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to state, local, federal regulations. Clean-up methods - large spillage: Keep unnecessary personnel away. Dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Avoid contact of spilled material with soil and prevent runoff entering surface waterways.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling:** Protect from physical damage. Do not store at temperatures above 120°F (50°C). Keep containers tightly closed in a cool, well-ventilated place. Ensure adequate ventilation. Empty containers retain product residue and can be hazardous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose these containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death.

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

**Technical measures/precautions:** No special technical protective measures required. Ensure adequate ventilation.

**Materials to avoid:** Chlorine, Strong oxidizing agents, Strong acids, Alkalis, Strong reducing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

| Components                                      | ACGIH TLV  | OSHA Exposure Limits: | NIOSH IDLH |
|---|--|-----------------------|------------|
| Hydrotreated Heavy Paraffinic Oil<br>64742-54-7 | 5 mg/m <sup>3</sup> TWA (mist) 10 mg/m <sup>3</sup><br>STEL (mist) | 5 mg/m <sup>3</sup>   | -          |
| Mineral Oil<br>MIXTURE                          | 5 mg/m <sup>3</sup> TWA (mist) 10 mg/m <sup>3</sup><br>STEL (mist) | 5 mg/m <sup>3</sup>   | -          |
| Hydrotreated Light Paraffinic Oil<br>64742-55-8 | 5 mg/m <sup>3</sup>  | 5 mg/m <sup>3</sup>   | -          |

#### Appropriate engineering controls

**Engineering measures:** Ensure adequate ventilation.

#### Individual protection measures, such as personal protective equipment

- Eye/face protection**                      Wear safety glasses with side shields (or goggles).
- Skin and body protection**              Wear normal work clothing. Wear protective gloves. Recommended Use: Nitrile rubber.
- Respiratory protection**                Ensure adequate ventilation. No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator's use.

**General Hygiene Considerations**      Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke. Wash face, hands and any exposed skin thoroughly after handling. Avoid contact with eyes, skin and clothing. Take off contaminated clothing and wash it before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                                      |                                |                         |                          |
|--------------------------------------|--------------------------------|-------------------------|--------------------------|
| <b>Physical state</b>                | Liquid                         | <b>Odor</b>             | Mild Petroleum           |
| <b>Appearance</b>                    | Oil                            | <b>Odor threshold</b>   | No information available |
| <b>Color</b>                         | Light Amber                    |                         |                          |
| <b>Property</b>                      | <b>Values</b>                  | <b>Remarks • Method</b> |                          |
| <b>pH</b>                            | N/A                            | Not applicable          |                          |
| <b>Melting point/freezing point</b>  | No information available       |                         |                          |
| <b>Boiling point / boiling range</b> | No information available . / . |                         |                          |
| <b>Flash point</b>                   | >= 134 °C / 273 °F             | (based on components)   |                          |
| <b>Evaporation rate</b>              | < 1                            | n-Butyl acetate = 1     |                          |
| <b>Flammability (solid, gas)</b>     | No information available       |                         |                          |
| <b>Flammability Limits in Air</b>    |                                |                         |                          |
| <b>Upper flammability limit</b>      | No Data Available              |                         |                          |
| <b>Lower flammability limit</b>      | No Data Available              |                         |                          |
| <b>Vapor pressure</b>                | No Data Available              |                         |                          |
| <b>Vapor density</b>                 | >1 @ Air = 1                   | Heavier than air        |                          |
| <b>Specific Gravity</b>              | 0.85                           |                         |                          |
| <b>Water solubility</b>              | Negligible                     |                         |                          |
| <b>Solubility in other solvents</b>  | No Data Available              |                         |                          |
| <b>Partition coefficient</b>         | No Data Available              |                         |                          |

|                           |                        |          |
|---------------------------|------------------------|----------|
| Autoignition temperature  | No Data Available      |          |
| Decomposition temperature | No Data Available      |          |
| Kinematic viscosity       | 5.4 mm <sup>2</sup> /s | @ 100 °C |
| Dynamic viscosity         | No Data Available      |          |
| Explosive properties      | No Data Available      |          |
| Oxidizing properties      | No Data Available      |          |

**Other information**

|                  |                   |
|------------------|-------------------|
| Softening point  | No Data Available |
| Molecular weight | No Data Available |
| VOC Content (%)  |                   |
| VOC Content (%)  | Negligible        |
| Density          | 0.85 g/cc         |
| Bulk density     | No Data Available |

**10. STABILITY AND REACTIVITY**

**Reactivity**

Reactivity Stable.

**Chemical stability**

**Possibility of Hazardous Reactions** None under normal processing.  
**Hazardous polymerization** Hazardous polymerization does not occur.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

**Materials to avoid:** Chlorine, Strong oxidizing agents, Strong acids, Alkalis, Strong reducing agents.

**Hazardous Decomposition Products**

**Hazardous Decomposition Products** Aldehydes, Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Hydrocarbons, Nitrogen oxides (NO<sub>x</sub>), Sulfur oxides (SO<sub>x</sub>), Alkyl Mercaptans.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

|                            |  |
|----------------------------|--|
| <b>Product Information</b> | May be fatal if swallowed and enters airways. May cause eye irritation. May cause skin irritation.     |
| <b>Inhalation</b>          | Inhalation of oil mists or vapors generated at elevated temperatures may cause respiratory irritation. |
| <b>Eye contact</b>         | Contact with eyes may cause irritation.  |
| <b>Skin Contact</b>        | May cause irritation.  |
| <b>Ingestion</b>           | Potential for aspiration if swallowed.   |

| Components                                      | Oral LD50         | Dermal LD50            | Inhalation LC50                      |
|---|-------------------|------------------------|--------------------------------------|
| Hydrotreated Heavy Paraffinic Oil<br>64742-54-7 | >5000mg/kg (Rat)  | >5000 mg/kg (Rabbit)   | -                                    |
| Mineral Oil<br>MIXTURE                          | 25000 mg/kg (Rat) | > 10000 mg/kg (Rabbit) | -                                    |
| Hydrotreated Light Paraffinic Oil<br>64742-55-8 | >5000 mg/kg       | >2000 mg/kg            | = 3900 mg/m <sup>3</sup> ( Rat ) 4 h |

**Information on toxicological effects**

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

|                                 |  |
|---------------------------------|--|
| <b>Sensitization</b>            | Skin Sensitization: Not expected. Respiratory Sensitization: Not classified.   |
| <b>Mutagenic effects:</b>       | No data available to indicate product or any components present at or greater than 0.1% are mutagenic or genotoxic.                                    |
| <b>Carcinogenicity</b>          | No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by IARC, NTP, or OSHA. |
| <b>Reproductive toxicity</b>    | No information available.  |
| <b>STOT - single exposure</b>   | Not classified.  |
| <b>STOT - repeated exposure</b> | Not classified.  |
| <b>Chronic toxicity</b>         | Prolonged skin contact may defat the skin and produce dermatitis.  |
| <b>Subchronic toxicity</b>      | No information available.  |
| <b>Target Organ Effects</b>     | Skin, Eyes, Respiratory system.  |
| <b>Neurological effects</b>     | No information available.  |
| <b>Other adverse effects</b>    | No information available.  |
| <b>Aspiration hazard</b>        | Risk of serious damage to the lungs (by aspiration).   |

**Numerical measures of toxicity - Product Information**

|   |  |
|---|--|
| <b>Unknown Acute Toxicity</b>   | 1.2 % of the mixture consists of ingredient(s) of unknown toxicity |
| <b>The following values are calculated based on chapter 3.1 of the GHS document .</b> |  |
| <b>ATEmix (oral)</b>  | 15732 mg/kg  |
| <b>ATEmix (dermal)</b>  | 4606 mg/kg   |
| <b>ATEmix (inhalation-vapor)</b>  | 78000 mg/l   |

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Chronic Aquatic Toxicity: Harmful to aquatic life with long lasting effects.

2.91 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Components                                      | Algae/aquatic plants                       | Fish                                     | Toxicity to microorganisms | Crustacea                          |
|---|--|--|----------------------------|------------------------------------|
| Hydrotreated Heavy Paraffinic Oil<br>64742-54-7 |  | 5000: 96 h Oncorhynchus mykiss mg/L LC50 |                            | 1000: 48 h Daphnia magna mg/L EC50 |
| Mineral Oil MIXTURE                             | >100: 3d Scenedesmus quadricauda mg/L EC50 | >100:4d Fathead Minnow mg/L LC50         |                            | >10000: 2d Daphnia magna mg/L EC50 |
| Hydrotreated Light Paraffinic Oil<br>64742-55-8 |  | 5000: 96 h Oncorhynchus mykiss mg/L LC50 |                            | 1000: 48 h Daphnia magna mg/L EC50 |

**Persistence and degradability**

NOT READILY BIODEGRADABLE.

**Bioaccumulation**

Bioaccumulative potential.

**Mobility**

The product is insoluble and floats on water.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

|                               |   |
|-------------------------------|---|
| <b>Disposal of wastes</b>     | Dispose of in accordance with federal, state and local regulations.                         |
| <b>Contaminated packaging</b> | Do not reuse container. Dispose of in accordance with federal, state and local regulations. |

**14. TRANSPORT INFORMATION**

DOT Not regulated  
IATA Not regulated  
IMDG Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

**Legend:**

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

**Federal Regulations**

**SARA 313**

No SARA 313 chemicals are present above the reporting threshold.

**SARA 311/312 Hazard Categories**

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | No  |
| 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.

**State Regulations (RTK)**

**California Proposition 65**

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

**U.S. State Right-to-Know Regulations**

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. OTHER INFORMATION**

**NFPA Rating**

**Health hazards** 0

**Flammability** 1  
**Instability** 0  
**Physical and Chemical Properties** -  
**HMIS Rating**  
**Health hazards** 1  
**Flammability** 1  
**Physical hazards** 0  
**Personal protection** B

**Prepared by** Environmental Health and Safety Department  
**Issue Date** 02-21-2017  
**Revision Date** 02-21-2017  
**Revision Note**

Formula The Emergency Overview has changed. SEE SECTION 2. This data sheet contains changes from the previous version in section(s): 6,7,8,11

**Disclaimer**

**The information provided in this Material 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**