1 Identification

- **Product identifier**
  - **Trade name:** Pentosin FFL-Racing
  - **Product code:** No other identifiers

- **Recommended use and restriction on use**
  - **Recommended use:** Petroleum product.
  - **Restrictions on use:** No relevant information available.

- **Details of the supplier of the Safety Data Sheet**
  - **Manufacturer/Supplier:**
    - CRP Industries
    - 35 Commerce Dr.
    - Cranbury, NJ 08512
    - (609) 578-4100
    - info@crpindustries.com
  - **Emergency telephone number:**
    - ChemTel Inc.
    - (800)255-3924, +1 (813)248-0585

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - The product is not classified as hazardous according to the Globally Harmonized System (GHS).

- **Label elements**
  - **GHS label elements**
    - The product is not classified as hazardous according to OSHA GHS regulations within the United States.
  - **Hazard pictograms:** Not regulated.
  - **Signal word:** Not regulated.
  - **Hazard statements:** Not regulated.
  - **Other hazards** There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

<table>
<thead>
<tr>
<th>Components</th>
<th>Description</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>68037-01-4</td>
<td>1-Decene, homopolymer, hydrogenated</td>
<td>60-80%</td>
</tr>
<tr>
<td></td>
<td>Asp. Tox. 1, H304</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Trade Secret alkoxylation long-chain alkyl amine</td>
<td>&lt;1%</td>
</tr>
<tr>
<td></td>
<td>Skin Corr. 1B, H314</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute Tox. 4, H302; Skin Sens. 1, H317</td>
<td></td>
</tr>
</tbody>
</table>

- **Additional information:**
  - **Note L:** The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 ‘Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method’, Institute of Petroleum, London. This product meets these requirements.
  - For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

(Cont'd. on page 2)
4 First-aid measures

- **Description of first aid measures**
  - **After inhalation:** Supply fresh air; consult doctor in case of complaints.
  - **After skin contact:**
    - Wash with soap and water.
    - If skin irritation is experienced, consult a doctor.
  - **After eye contact:**
    - Remove contact lenses if worn.
    - Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - **After swallowing:**
    - Rinse out mouth and then drink plenty of water.
    - Do not induce vomiting; immediately call for medical help.
  - **Most important symptoms and effects, both acute and delayed:**
    - Slight irritant effect on eyes.
    - Nausea in case of ingestion.
    - Gastric or intestinal disorders when ingested.
  - **Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

5 Fire-fighting measures

- **Extinguishing media**
  - **Suitable extinguishing agents:**
    - Foam
    - Fire-extinguishing powder
    - Carbon dioxide
    - Gaseous extinguishing agents
  - **For safety reasons unsuitable extinguishing agents:** Water
  - **Special hazards arising from the substance or mixture**
    - Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
  - **Protective equipment:**
    - Wear self-contained respiratory protective device.
    - Wear fully protective suit.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
  - Ensure adequate ventilation.
  - Wear protective equipment. Keep unprotected persons away.
  - Particular danger of slipping on leaked/spilled product.
  - For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.
- **Environmental precautions:**
  - Do not allow to enter sewers/ surface or ground water.
7 Handling and storage

· Handling
  · Precautions for safe handling:
    Prevent formation of aerosols.
    Use only in well ventilated areas.
  · Information about protection against explosions and fires: No special measures required.

· Conditions for safe storage, including any incompatibilities

· Storage
  · Requirements to be met by storerooms and receptacles:
    Avoid storage near extreme heat, ignition sources or open flame.
  · Information about storage in one common storage facility:
    Store away from foodstuffs.
    Store away from oxidizing agents.
  · Further information about storage conditions:
    Store in cool, dry conditions in well sealed receptacles.
    Keep containers tightly sealed.
  · Specific end use(s): No relevant information available.

8 Exposure controls/personal protection

· Control parameters
  · Components with limit values that require monitoring at the workplace:
    The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· Exposure controls
  · Personal protective equipment:
    · General protective and hygienic measures:
      The usual precautionary measures for handling chemicals should be followed.
      Keep away from foodstuffs, beverages and feed.
      Wash hands before breaks and at the end of work.
      Do not inhale gases / fumes / aerosols.
      Avoid contact with the eyes and skin.
  · Engineering controls: No relevant information available.
Trade name: Pentosin FFL-Racing

- Breathing equipment:
  Not required under normal conditions of use.
  Use suitable respiratory protective device when aerosol or mist is formed.
  For spills, respiratory protection may be advisable.
- Protection of hands:
  Wear protective gloves to handle contents of damaged or leaking units.
  Gloves are advised for repeated or prolonged contact.
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- Eye protection:
  Safety glasses

- Body protection:
  Not required under normal conditions of use.
  Protection may be required for spills.

- Limitation and supervision of exposure into the environment
  No relevant information available.
- Risk management measures No relevant information available.

9 Physical and chemical properties

- Information on basic physical and chemical properties
  - Appearance:
      - Form: Liquid
      - Color: Dark yellow
      - Odor: Characteristic
      - Odor threshold: Not determined.
  - pH-value: Not determined.
  - Melting point/Melting range: Not determined.
  - Boiling point/Boiling range: Not determined.
  - Flash point: 223 °C (433 °F)
  - Flammability (solid, gaseous): Not applicable.
  - Auto-ignition temperature: 310 °C (590 °F)
  - Decomposition temperature: Not determined.
  - Danger of explosion: Product does not present an explosion hazard.
  - Explosion limits
    - Lower: Not determined.
    - Upper: Not determined.
  - Vapor pressure at 20 °C (68 °F): 0.7 hPa (1 mm Hg)
  - Density at 20 °C (68 °F): 0.84 g/cm³ (7.01 lbs/gal)
  - Relative density: Not determined.
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- Vapor density: Not determined.
- Evaporation rate: Not determined.
- Solubility in / Miscibility with Water: Insoluble.
- Partition coefficient (n-octanol/water): Not determined.
- Viscosity
  - Dynamic at -40 °C (-40 °F): 6400 mPas (ASTM D2983)
  - Kinematic at 100 °C (212 °F): 6.5 mm²/s (DIN 51 562 T1)
- Other information No relevant information available.

10 Stability and reactivity

- Reactivity: No relevant information available.
- Chemical stability:
- Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.
- Possibility of hazardous reactions: Toxic fumes may be released if heated above the decomposition point. Reacts with strong acids and oxidizing agents.
- Conditions to avoid: Excessive heat.
- Incompatible materials: Oxidizers
- Hazardous decomposition products: Carbon monoxide and carbon dioxide
  Hydrocarbons
  Nitrogen oxides

11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
    - LD/LC50 values that are relevant for classification: None.
  - Primary irritant effect:
    - On the skin: Slight irritant effect on skin and mucous membranes.
    - On the eye: Slight irritant effect on eyes.
    - Sensitization: Based on available data, the classification criteria are not met.

  IARC (International Agency for Research on Cancer):
  None of the ingredients are listed.

  NTP (National Toxicology Program):
  None of the ingredients are listed.

  OSHA-Ca (Occupational Safety & Health Administration):
  None of the ingredients are listed.
Trade name: Pentosin FFL-Racing

· Probable route(s) of exposure:
  Ingestion.
  Inhalation.
  Eye contact.
  Skin contact.
  Repeated dose toxicity: No relevant information available.
  CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
  Germ cell mutagenicity: Based on available data, the classification criteria are not met.
  Carcinogenicity: Based on available data, the classification criteria are not met.
  Reproductive toxicity: Based on available data, the classification criteria are not met.
  STOT-single exposure: Based on available data, the classification criteria are not met.
  STOT-repeated exposure: Based on available data, the classification criteria are not met.
  Aspiration hazard: Based on available data, the classification criteria are not met.

12 Ecological information

· Toxicity
  Aquatic toxicity Harmful to aquatic life with long lasting effects.
  Persistence and degradability No relevant information available.
  Bioaccumulative potential: No relevant information available.
  Mobility in soil: No relevant information available.
  Ecotoxicological effects:
  Remark:
  Harmful to fish
  Due to mechanical actions of the product (e.g. agglutinations), damages may occur.
  Additional ecological information
  General notes:
  Do not allow product to reach ground water, water course or sewage system.
  Harmful to aquatic organisms
  Results of PBT and vPvB assessment
  PBT: Not applicable.
  vPvB: Not applicable.
  Other adverse effects: No relevant information available.

13 Disposal considerations

· Waste treatment methods
  Recommendation:
  Product is recyclable as a waste oil. Deliver unused and/or contaminated product to waste oil collectors.
  Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
  The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 06/28/2016  Revision: 06/28/2016

Trade name: Pentosin FFL-Racing

(Cont’d. of page 6)

14 Transport information

<table>
<thead>
<tr>
<th>· UN-Number</th>
<th>Not regulated.</th>
</tr>
</thead>
<tbody>
<tr>
<td>· DOT, ADR, IMDG, IATA</td>
<td>Not regulated.</td>
</tr>
<tr>
<td>· UN proper shipping name</td>
<td>Not regulated.</td>
</tr>
<tr>
<td>· DOT, ADR, IMDG, IATA</td>
<td>Not regulated.</td>
</tr>
<tr>
<td>· Transport hazard class(es)</td>
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</tr>
<tr>
<td>· DOT, ADR, IMDG, IATA</td>
<td>Not regulated.</td>
</tr>
<tr>
<td>· Class</td>
<td>Not regulated.</td>
</tr>
<tr>
<td>· Packing group</td>
<td>Not regulated.</td>
</tr>
<tr>
<td>· DOT, ADR, IMDG, IATA</td>
<td>Not regulated.</td>
</tr>
<tr>
<td>· Environmental hazards</td>
<td>No</td>
</tr>
<tr>
<td>· Marine pollutant:</td>
<td>No</td>
</tr>
<tr>
<td>· Special precautions for user</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

15 Regulatory information

<table>
<thead>
<tr>
<th>· Safety, health and environmental regulations/legislation specific for the substance or mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>· United States (USA)</td>
</tr>
<tr>
<td>· SARA</td>
</tr>
<tr>
<td>· Section 302 (extremely hazardous substances):</td>
</tr>
<tr>
<td>· Section 355 (extremely hazardous substances):</td>
</tr>
<tr>
<td>· Section 313 (Specific toxic chemical listings):</td>
</tr>
<tr>
<td>· TSCA (Toxic Substances Control Act)</td>
</tr>
<tr>
<td>· All ingredients are listed.</td>
</tr>
<tr>
<td>· Proposition 65 (California)</td>
</tr>
<tr>
<td>· Chemicals known to cause cancer:</td>
</tr>
<tr>
<td>· None of the ingredients are listed.</td>
</tr>
</tbody>
</table>

(Cont’d. on page 8)
Trade name: Pentosin FFL-Racing

- Chemicals known to cause reproductive toxicity for females:
  None of the ingredients are listed.

- Chemicals known to cause reproductive toxicity for males:
  None of the ingredients are listed.

- Chemicals known to cause developmental toxicity:
  None of the ingredients are listed.

- Carcinogenic categories
  - EPA (Environmental Protection Agency):
    None of the ingredients are listed.
  - IARC (International Agency for Research on Cancer):
    None of the ingredients are listed.
  - NIOSH-Ca (National Institute for Occupational Safety and Health):
    None of the ingredients are listed.
  - Canadian Domestic Substances List (DSL):
    All ingredients are listed.

- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Date of preparation / last revision: 06/28/2016 / -

- Abbreviations and acronyms:
  ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
  IMDG: International Maritime Code for Dangerous Goods
  DOT: US Department of Transportation
  IATA: International Air Transport Association
  GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  DNEL: Derived No-Effect Level (REACH)
  PNEC: Predicted No-Effect Concentration (REACH)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent
  PBT: Persistent, Bioaccumulative and Toxic
  SVHC: Substances of Very High Concern
  vPvB: very Persistent and very Bioaccumulative
  NIOSH: National Institute for Occupational Safety
  OSHA: Occupational Safety & Health
  LDL0: Lowest Lethal Dose Observed
  Acute Tox. 4: Acute toxicity – Category 4
  Skin Corr. 1B: Skin corrosion/irritation – Category 1B
  Skin Sens. 1: Skin sensitisation – Category 1
  Asp. Tox. 1: Aspiration hazard – Category 1

- Sources
  Website, European Chemicals Agency (echa.europa.eu)
  Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)
  Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
Safety Data Sheets, Individual Manufacturers  
SDS Prepared by:  
ChemTel Inc.  
1305 North Florida Avenue  
Tampa, Florida USA 33602-2902  
Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573  
Website: www.chemtelinc.com