

## MATERIAL SAFETY DATA SHEET

### PRODUCT AND COMPANY IDENTIFICATION:

|                                 |                                                                                                                                 |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Product Trade Name              | Volkio 30% Coolant                                                                                                              |
| Product Code                    | 1030-RC30                                                                                                                       |
| Phone Number                    | +971 55 558 4393                                                                                                                |
| E-mail Address                  | info@volkio.de                                                                                                                  |
| Chemical Family                 | PETROLEUM HYDROCARBON                                                                                                           |
| Use of the Substance / Mixture: | RADIATOR COOLANT<br>For specific application advice see appropriate Technical Data Sheet or consult our company representative. |

### SECTION 1: HAZARDS IDENTIFICATION HAZARDS; OVERVIEW HEALTH; HAZARDS DATA

**Hazards from the Substance or Mixture** In a fire or if heated, a pressure increase will occur and the container may burst.

**Classification of the substance or mixture** Not classified

**Hazardous Combustion Products** Combustion products may include the following: Carbon Oxides (CO, CO<sub>2</sub>) (carbon monoxide, carbon dioxide)

### SECTION 2: FIRST AID INFORMATION

**Eye Contact:** Immediately flush eyes with large amounts of water and continue flushing until irritation Subsides. If material is hot, treat for thermal burns and seek immediate medical attention.

**Skin Contact:** No treatment is necessary under ordinary circumstances. Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs and persists, seek medical attention. If material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately.

**Inhalation:** This material has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions.

**Ingestion:** No treatment is necessary under ordinary circumstances. Do not induce vomiting. If victim Exhibits signs of lung aspiration such as coughing or choking, seek immediate medical assistance.

**Notes to Physician:** In case of skin injection, prompt debridement of the wound may be necessary to minimize necrosis and tissue loss.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

|                                                          |                   |
|----------------------------------------------------------|-------------------|
| Distillates, Petroleum, Solvent-refined Heavy Paraffinic |                   |
| Ethylene glycol                                          | 30%-90%           |
| Anti-Freezing Agent                                      | 50%               |
| Preservatives                                            | < 1%              |
| Anti-rust                                                | < 1%              |
| Dye Water                                                | < 1%              |
|                                                          | balance upto 100% |

### SECTION 4: PROTECTION OF FIRE FIGHTERS:

**Fire Fighting Instructions:** This material will although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self contaminated breathing apparatus.

**Combustion Products:** Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids and gases including Carbon monoxide, carbon dioxide and unidentified organic compounds will be evolved when this material undergoes combustion. Combustion may from oxides of: Calcium, Sulphur, Zinc, Boron, Molybdenum, and Nitrogen.

### SECTION 5: ACCIDENTAL RELEASE MEASURES:

**Personnel Safeguards:** Consult Health Effect Information in Section 2, Personal Protection Information in Section 7, Fire and Explosion Information in Section 4 and Stability & Reactivity Information in Section 9.



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**Regulatory Notifications:** Notify appropriate authorities of spill.

**Containment and Clean up:** Contain spill immediately. Do not allow spill to enter sewers or Watercourses. Absorb with appropriate inert material such as sand, clay, etc. Large spills may be picked up using vacuum pumps, shovels, buckets, or other means and placed in drums or other Suitable containers.

### **SECTION 6: : HANDLING AND STORAGE INFORMATION**

**Handling:** Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.106-Flammable and Combustible Liquids.

**Storage:** Do not transfer to unmarked containers. Store in closed containers away from heat, sparks, open Flame or oxidizing materials.

**Empty Container Warnings:** Containers 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 vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind. Or expose such container to heat, flame, sparks, static electricity or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely trained, properly closed, and promptly returned to a drum reconditioned or disposed of properly.

**Drums:** Empty drums should be completely drained, properly bunged and promptly returned to a drum Reconditioned, or properly disposed. Empty containers retain product residue and can be Dangerous.

**Plastic:** Empty container may retain product residues.

### **SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION**

**Exposure Limits and Guidelines:** This product does not contain any components with OSHA or ACGIH exposure limits.

**Personal Protective Equipment:**

**Eye/Face Protection:** Eye protection is not required under conditions of normal use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety goggles.

**Skin Protection:** No skin protection is required for single, short duration exposures. For prolonged or repeated exposures, use impervious clothing (boots, gloves, aprons, etc.) over parts of the body subject to exposure. If handling hot material, use insulated protective clothing (boots, gloves, aprons, etc.). Launder soiled clothes. Properly dispose of contaminated leather articles including shoes, which cannot be decontaminated.

**Respiratory Protection:** Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an organic vapor respirator with a dust and mist filter. All respirators must be NIOSH certified. Do not use compressed oxygen in hydrocarbon atmospheres.

**Personal Hygiene:** Consumption of food and beverages should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking, or smoking.

**Engineering Controls / Work Practices:**

**Ventilation:** If vapor or mist is generated when the material is heated or handled, adequate ventilation in Accordance with good engineering practice must be provided to maintain concentrations below the specified exposure or flammable limits.

**Other:** The OSHA permissible exposure limit (PEL) and ACGIH threshold limit value (TLV) for oil mist is 5 mg/m<sup>3</sup>. Chronic exposures below 5 mg/m<sup>3</sup> are without significant health risks. The ACGIH short-term exposure limit (STEL) for oil mist is 10 mg/m<sup>3</sup>.

### **SECTION 8: STABILITY AND REACTIVITY INFORMATION**

**Chemical Stability:** This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**Conditions to Avoid:** High heat and open flames.

**Incompatible Materials to Avoid:** May react with strong oxidizing agents, such as chlorates, nitrates

**Hazardous Polymerization:** Hazardous polymerization will not occur.

### **SECTION 9: TOXICOLOGICAL INFORMATION**

**Eye Irritation:** The eye irritation hazard is based on evaluation of data for similar materials or product components.

**Skin Irritation:** The skin irritation hazard is based on evaluation of data for similar materials or product components.

**Skin sensitization:** No product toxicology data available.

**Acute Dermal Toxicity:** The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

**Acute Oral Toxicity:** The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

**Inhalation Toxicity:** The inhalation toxicity is based on evaluation of data for similar materials or product components.

**Additional Toxicology Information:** This product contains base oils which may be refined by various processes including of severe solvent extraction hydrocracking, hydrotreating. None of the oils requires a cancer warning under the OSHA hazard communication standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP). Annual reports nor have they been classified by the International Agency for Research on Cancer (IARC) as; Carcinogenic to human (Group 1), probably Carcinogenic to human (Group 2A) or possibly Carcinogenic to human (Group 2B).



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### **SECTION 10: DISPOSAL INFORMATION**

**Regulatory Information:** All disposals must comply with federal, state, and local regulations. The material, if spilled or discarded, may be a regulated waste. Refer to state and local regulations. Caution! If regulated solvents are used to clean up spilled material, the resulting waste mixture may be regulated. Department of Transportation (DOT) regulations may apply for transporting this material when spilled.

**Waste Disposal Methods:** Wastematerialmaybelandfilledorincineratedatanapprovedfacility. Materials should be recycled if possible.

### **SECTION 11: ECOLOGICAL INFORMATION**

**Eco toxicity:** The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

**Environmental Fate:** This material is not expected to be readily biodegradable.

### **SECTION 12: : REGULATORY INFORMATION**

**Regulatory Lists Searched:** The components listed in Section 2 of this MSDS were compared to substances that appear on the following regulatory lists. Each list is numerically identified. See Regulatory Search Results below.

**Environmental:** 30- CAA 1990 Hazardous air pollutants, 31- CAA Ozone depleters, 33- CAA HON rule, 34CAA Toxic substance for accidental release prevention.

### **SECTION 3: FIRES AND EXPLOSION HAZARDS DATA**

**Fire Classification** OSHA classification (29 CFR 1910.1200) Not classified by OSHA as flammable or combustible.

**NFPA Ratings:** - Health: 0 Flammability: 1 Reactivity: 0

**Flammable Properties**

**Flash Point:** 200 OC min Test Method: ASTM D-92 (C.O.C.)

**Flammable Limits in Air**

**Upper Percent:** Not Applicable

**Lower Percent:** Not Applicable

**Auto ignition Temperature:** No data available

**NFPA Classification:** Class III-B combustible liquid

**Extinguishing Media:** Use water fog, foam, dry chemical or carbon dioxide to extinguish flame.

### **HEALTH AND ENVIRONMENTAL LABEL LANGUAGE**

**Warning:** Continuous contact with used gasoline engine oils has caused skin cancer in animal tests.

**Attention:** Prolonged or repeated skin contact may cause oil acne or dermatitis. Repeated exposure to oil mist in excess of the OSHA limit (5mg/m<sup>3</sup>) can result in accumulation of oil droplets in pulmonary tissue.

**Precautionary Measures:** Avoid prolonged or repeated contact with eyes, skin and clothing. Avoid generation and inhalation of oil mists.

**First Aid:** Skin Contact: Wash skin with soap and water. Launder soiled clothes and discard oil soaked Shoes:- If irritation persists seek medical attention.

**Eye Contact:** Flush with water. If irritation persists seek medical attention.

**Ingestion:** Do not induce vomiting. In general, no treatment is necessary unless large quantities of product are ingested. If discomfort persists seek medical assistance.

**Instructions in Case of Fire or Spill:** In case of fire, use water fog, foam, dry chemical or carbon dioxide. Water spray may be ineffective, but can be used to cool containers. Do not use a direct stream of water. Material will float and can be reignited on surface of water.

**Spill or Leak:** Dike and contain spill. Do not use water; soak up with absorbent material such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

**Contains:** highly refined petroleum distillate, mixture; zinc compounds, mixture; polymer Additives, mixture.

**Keep Out of Reach of Children:** (If intended for retail also)

**Revision Statement:** This revision corrects the product name. Other changes have been made throughout this Material Safety Data Sheet. Please read the entire documents.

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### DISCLAIMER OF WARRANTY:

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### DISCLAIMER OF WARRANTY:

The information provided herein is based on data available to us and represents our best professional judgment. This product may contain components sourced from other companies. In cases where proprietary or trade-secret materials are used, Volkio Lubricants Products relies on the hazard evaluations provided by the manufacturer or importer of those components. No warranty of merchantability, fitness for a particular purpose, or any other warranty—expressed or implied—is given regarding the accuracy of this data, the results that may be obtained from its use, or that its use will not infringe upon any patent. As the conditions of application are beyond our control and may vary, we assume no responsibility for the outcome of its use. This information is provided on the condition that the recipient independently determines the suitability of the material for their intended purpose.

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