



# CHEMI-KAL

A division of Worcestershire Chemicals Ltd

## MATERIAL SAFETY DATA SHEET Zenith

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### Section 1: Identification of the substance/mixture and of the company/undertaking.

Version 3: 13/12/2021

**Semi synthetic extreme pressure coolant**

**1.1. Product identifier** Product name: Zenith Product code: Z 1064

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

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

Company name: Worcestershire Chemicals Ltd

### 2: Hazards identification

2.1. Classification of the substance or mixture Classification under CLP: Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319 Most important adverse effects: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

2.2. Label elements Label elements:

Hazard statements: H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. Signal words: Warning Hazard pictograms:

GHS07: Exclamation mark Precautionary statements:



P264: Wash skin thoroughly after handling. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards PBT: This product is not identified as a PBT/vPvB substance.

### Section 3: Composition/information on ingredients

3.2. Mixtures Hazardous ingredients: MONOETHANOLAMINE BORATE EINECS CAS PBT / WEL CLP Classification Percent 247-421-8 26038-87-9 - Skin Irrit. 2: H315; Eye Irrit. 2: H319 1-10% ALCOHOL ETHOXYLATE 500-213-3 68439-50-9 - Eye Dam. 1: H318; Aquatic Chronic 1: H410; Aquatic Acute 1: H400 1-10% ALKYL DICARBOXYLATE IONIC COMPLEX SECONDARY AMINE FREE 282-908-9 84471-25-0 - Skin Irrit. 2: H315 1-10% SAFRAFOS P 950 - 9046-01-9 - Skin Irrit. 2: H315; Eye Irrit. 2: H319 1-10% 1,3,5-TRIS(2-HYDROXYETHYL)HEXAHYDRO-1,3,5-TRIAZINE 225-208-0 4719-04-4 - Acute Tox. 4: H302;

#### **Section 4: First aid measures**

Skin Sens. 1: H317 1-10% ALKANOLAMINE CARBOXYLATE CONDENSATE 282-908-9 84471-25-0 - Skin Irrit. 2: H315; Eye Irrit. 2: H319 1-10% FUNGICIDE 259-627-5 55406-53-6 - Eye Dam. 1: H318; Acute Tox. 4: H302; Skin Sens. 1A: H317; Aquatic Acute 1: H400

4.1. Description of first aid measures Skin contact: Wash immediately with plenty of soap and water. Eye contact: Bathe the eye with running water for 15 minutes. Ingestion: Do not induce vomiting. Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. Transfer to hospital as soon as possible. Inhalation: Not thought to be a concern. Albeit, the user must carry out risk assessment to determine the level of cutting fluid "MIST" in the atmosphere to be within guide limits.

4.2. Most important symptoms and effects, both acute and delayed Skin contact: There may be mild irritation at the site of contact. Eye contact: There may be irritation and redness. Ingestion: There may be soreness and redness of the mouth and throat. Inhalation: If proper ventilation is available then inhalation problems should not be a concern. If no extraction of vapour from the machine tool then simply when opening the doors to the machine tool, step back for 15 seconds to allow dissipation of vapour. Delayed / immediate effects: No data available.

4.3. Indication of any immediate medical attention and special treatment needed Immediate / special treatment: Not applicable.

#### **Section 5: Fire-fighting measures**

5.1. Extinguishing media Extinguishing media: Water spray. Carbon dioxide. Dry chemical powder.

5.2. Special hazards arising from the substance or mixture Exposure hazards: Combustible.

5.3. Advice for fire-fighters Advice for fire-fighters: Wear self-contained breathing apparatus.

#### **Section 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures Personal precautions: Control release of this material with sand or water. Do not allow to enter drains or any water sources i.e rivers. Dispose as industrial waste.

6.2. Environmental precautions Environmental precautions: Do not discharge into drains or rivers.

Contain the spillage using bunding. 6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. 6.4. Reference to other sections Reference to other sections: Refer to section 8 of SDS.

#### **Section 7: Handling and storage**

7.1. Precautions for safe handling requirements: Observe good hygiene practices and use a suitable barrier cream at regular intervals.

7.2. Conditions for safe storage, including any incompatibilities Storage conditions: Store in a cool, well-ventilated area. Suitable packaging: Plastic / Metal

7.3. Specific end use(s) Specific end use(s): No data available.

#### **Section 8: Exposure controls/personal protection**

8.1. Control parameters Workplace exposure limits: No data available. DNEL/PNEC Values DNEL / PNEC No data available.

8.2. Exposure controls Engineering measures: Ensure there is sufficient ventilation of the area. Respiratory protection: This product contains volatile ethanolamines and therefore is always good practice to use respiratory protection if poor levels of extraction from area of use. Hand protection: Protective gloves. Eye protection: Safety glasses. Skin protection: Protective clothing.

### **Section 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties State: Liquid Colour: Blue Odour: Bland Evaporation rate: No data available. Oxidising: No data available. Solubility in water: Soluble Viscosity: Non-viscous Boiling point/range°C: No data available. Melting point/range°C: No data available. Flammability limits %: lower: No data available. upper: No data available. Flash point°C: >180 Part.coeff. n-octanol/water: No data available. Autoflammability°C: No data available. Vapour pressure: No data available. Relative density: 1.040 typ pH: 9.0 dil VOC g/l: No data available  
9.2. Other information: No data available. Section

### **10: Stability and reactivity**

10.1. Reactivity Reactivity: Stable under recommended transport or storage conditions.  
10.2. Chemical stability Chemical stability: Stable under normal conditions.  
10.3. Possibility of hazardous reactions Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.  
10.4. Conditions to avoid Conditions to avoid: Direct sunlight.  
10.5. Incompatible materials Materials to avoid: No data available.  
10.6. Hazardous decomposition products Haz. decomp. products: No data available.

### **Section 11: Toxicological information**

11.1. Information on toxicological effects Hazardous ingredients: 1,3,5-TRIS(2-HYDROXYETHYL)HEXAHYDRO-1,3,5-TRIAZINE ORL RAT LD50 763 mg/kg SKN RAT LD50 >2 gm/kg FUNGICIDE ORL RAT LD50 - - Relevant hazards for substance: Hazard Route Basis Skin corrosion/irritation DRM Hazardous: calculated Respiratory/skin sensitisation DRM Hazardous: calculated Symptoms / routes of exposure Skin contact: There may be mild irritation at the site of contact. Eye contact: There may be irritation and redness. Ingestion: There may be soreness and redness of the mouth and throat.  
Inhalation: If proper ventilation is available then inhalation problems should not be a concern. If no extraction of vapour from the machine tool then simply when opening the doors to the machine tool, step back for 15 seconds to allow dissipation of vapour. Delayed / immediate effects: No data available. Other information: The labelling of this material relates to the concentrated material within the packaging. The product when diluted in water will not require the same risk and safety requirements. Section

### **12: Ecological information**

12.1. Toxicity Ecotoxicity values: No data available.  
12.2. Persistence and degradability Persistence and degradability: Not biodegradable.  
12.3. Bioaccumulative potential Bioaccumulative potential: No data available.  
12.4. Mobility in soil Mobility: Soluble in water.  
12.5. Results of PBT and vPvB assessment PBT identification: This product is not identified as a PBT/vPvB substance.  
12.6. Other adverse effects Other adverse effects: No data available.

### **Section 13: Disposal considerations**

13.1. Waste treatment methods Disposal operations: Send to registered waste disposal site using services of a registered waste disposal contractor. Disposal of packaging: Dispose of as normal

industrial waste. NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information Transport class: This product does not require a classification for transport.**

**Section 15: Regulatory information**

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

**Section 16: Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010. \* Indicates text in the SDS which has changed since the last revision. Phrases used in s.2 and s.3: H302: Harmful if swallowed. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H319: Causes serious eye irritation. H400: Very toxic to aquatic life. Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product