



MATERIAL SAFETY DATA SHEET

I. MATERIAL IDENTIFICATION AND USE

TRADE NAME: HEINZ PURE WHITE VINEGAR

SYNONYMS: 5% ACETIC ACID, VINEGAR ACID

RECOMMENDED USES: FOOD INGREDIENT, PRESERVATIVE

MANUFACTURERS NAME: H. J. HEINZ COMPANY OF CANADA LTD

ADDRESS: ERIE STREET SOUTH, LEAMINGTON, ONTARIO N8H 3W8

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PREPARED BY: LILLIAN KUZMIK DATE: September 15, 2008

II. BASIC INGREDIENTS AND TOXICITY

| MATERIAL OR COMPONENTS | % | TLV/DATE | CAS NO. |
|-----------------------------------|-----|----------|-----------|
| Acetic acid, CH ₃ COOH | 5.0 | 10 ppm | 64-19-7 |
| Water, H ₂ O | 95 | | 7732-18-5 |
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III. PHYSICAL DATA

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|---------------------------------------|---------------|------------------------------------|-------------------------------------|
| BOILING POINT, 760 mm Hg | 100°C | MELTING POINT | 0°C |
| SPECIFIC GRAVITY H ₂ O = 1 | 1.0070 (20°C) | VAPOUR PRESSURE | n/a |
| VAPOUR DENSITY AIR = 1 | n/a | SOLUBILITY IN H ₂ O %WT | miscible |
| % VOLATILES BY VOL. @ 70°F, 20°C | | ODOUR | Penetrating, pungent 0.2- 24 ppm |
| pH (acidity - alkalinity) | 2.4 | | |



IV. FIRE AND EXPLOSION DATA

FLASH-POINT (TEST METHOD): n/a AUTO IGNITION TEMP: n/a

FLAMMABLE LIMITS IN AIR, % BY VOL. LOWER: n/a UPPER: n/a

FIRE FIGHTING INSTRUCTIONS: Carbon dioxide, dry chemical, alcohol foam.

V. INSTABILITY/DECOMPOSITION INFORMATION

CONDITIONS CONTRIBUTING TO INSTABILITY: Heat

INCOMPATIBILITY: Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: n/a

POLYMERIZATION HAZARDS: n/a

VI. HEALTH HAZARD INFORMATION

IMMEDIATE EFFECTS OF OVEREXPOSURE:

INHALATION: Irritation of nose, throat and lungs.

SKIN CONTACT: No injury

SKIN ABSORPTION: n/a

EYE CONTACT: Immediate pain, conjunctival reddening, can cause injury to corneal membrane.

INGESTION: Burns at high acid concentration only.

EFFECTS OF LONG TERM OVER-EXPOSURE: Irritation of eyes, nose, throat and bronchial tubes.

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EMERGENCY AND FIRST AID PROCEDURES:

EYES: Copious irrigation with water, lifting lower and upper lids occasionally.

SKIN: Copious irrigation with water.

INHALATION: Move exposed person to fresh air at once.

INGESTION: Ingest large quantities of water to dilute the acetic acid.

VII. PROTECTION INFORMATION

VENTILATION REQUIREMENTS

PERSONAL PROTECTIVE EQUIPMENT: At conc. below 5%, no particular protective equipment is necessary unless unusual exposures are involved.

RESPIRATORY: n/a

EYE: n/a

GLOVES: n/a

OTHER CLOTHING AND EQUIPMENT: n/a

VIII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: For small quantities absorb on paper towels and discard at an appropriate landfill site.

NEUTRALIZING CHEMICALS: Caustic solution (e.g. NaHCO_3 or NaOH).

WASTE DISPOSAL METHOD: Neutralized with Caustic solution and flush into a sewer.
