



L.V. Lomas Ltd  
99 Summerlea Rd  
Brampton; Ontario; L6T 4V2  
Canada



PRODUCT: Sulphur H10

CODE: Z ALD010A



### Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER..... HOLLY INDUSTRIES  
59 Eastern Ave.  
Acton  
Ontario  
Canada  
L7J 2M3

PRODUCT NAME..... Sulphur H10  
OFFICE NUMBER..... 519-853-0120.  
AFTER HOURS NUMBER..... 519-763-0786.  
PACKAGING SIZE..... Super sacks.  
PRODUCT CODE(S)..... Z ALD010A  
MATERIAL USE..... Agriculture. Pulp & paper. Cement. Adhesive.  
PRODUCT USE..... Industrial.  
CHEMICAL FAMILY..... Sulphur.  
SYNONYMS..... Pulverized Sulfur, Rubbermaker's Sulfur.  
24 HOUR EMERGENCY NUMBER:..... CALL Philip Environmental 1-800-567-7455.

### Section 02: COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredients | %    | Exposure Limit | C.A.S.#   | LD/50, Route, Species                              | LC/50 Route, Species             |
|-----------------------|------|----------------|-----------|--|----------------------------------|
| Sulphur               | 97.0 | Not Indicated  | 7704-34-9 | Oral Rat > 5,050 mg/kg<br>Dermal Rat > 2,020 mg/kg | Inhalation @ 90% Rat > 5.49 mg/L |

### Section 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY ..... Eye contact. Skin contact. Inhalation. Ingestion.  
SKIN CONTACT..... May cause skin irritation. Avoid skin contact.  
EYE CONTACT..... May cause eye irritation. Avoid eye contact.  
INGESTION..... Do not ingest.  
INHALATION..... May cause irritation of nose, throat or respiratory tract. Avoid inhalation.  
MEDICAL CONDITIONS AFFECTED BY .... None known.  
EXPOSURE  
SIGNS OF OVER EXPOSURE..... No additional remark.

### Section 04: FIRST AID MEASURES

SKIN CONTACT..... Wash affected area immediately with large amounts of soap and water. If irritation develops or persists, seek medical attention.  
EYE CONTACT..... Immediately hold eyelids open and flush with water for at least 5 minutes. If irritation develops or persists, seek medical attention.  
INHALATION..... If affected, move to fresh air. If breathing has stopped, perform artificial respiration. If breathing is difficult, administer oxygen. Seek immediate medical attention.  
INGESTION..... Give victim two glasses of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.  
NOTES TO PHYSICIAN..... Watch for delayed metabolic acidosis if ingested in large quantities. Treat symptomatically.

### Section 05: FIRE FIGHTING MEASURES

FLASH POINT (deg C), METHOD..... 207.2 C.  
AUTO IGNITION TEMPERATURE (deg C).... 248 - 266 C.  
LOWER FLAMMABLE LIMIT (% VOL)..... 35 g/m3.  
UPPER FLAMMABLE LIMIT (% VOL)..... 1,400 g/m3.  
FLAMMABILITY..... Com I.  
HAZARDOUS COMBUSTION PRODUCTS.. Sulphur dioxide and trioxide.  
UNUSUAL FIRE / EXPLOSION HAZARDS.. Dust-air mixtures have potential to explode. Fire will rekindle until cooled below 154 C.  
SENSITIVITY TO MECHANICAL IMPACT.... Not sensitive.  
SENSITIVITY TO STATIC DISCHARGE..... Dust suspended in air in critical proportions and in the presence of an ignition source may cause explosion.  
EXTINGUISHING MEDIA..... Dry chemical, carbon dioxide, foam, water.

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**Section 05: FIRE FIGHTING MEASURES**

SPECIAL FIRE FIGHTING PROCEDURES.. Fire fighters should wear self-contained breathing apparatus and appropriate protective equipment. Avoid hose streams or any method which will create dust clouds. Evacuate all persons to a safe area. Use water spray to cool containers.

**Section 06: ACCIDENTAL RELEASE MEASURES**

LEAKS AND SPILLS..... Avoid creating dust. Do not allow product to enter sewers or waterways. Use non-sparking tools. Use appropriate tools to put the spilled material in a convenient waste disposal container. Wear protective clothing during cleanup. Eliminate sources of ignition.

**Section 07: HANDLING AND STORAGE**

HANDLING PROCEDURES..... Avoid contact with eyes and skin. Avoid inhalation and ingestion. If airborne dust is generated, eliminate all sources of ignition that may come into contact with the dust. Use under well ventilated conditions. Wash skin thoroughly after handling and before eating or smoking. Wash with soap and water.

STORAGE NEEDS..... Do not store in open, unlabeled or mislabeled containers. Keep container tightly closed. . Store in a cool, dry, well-ventilated area. Post "NO SMOKING OR OPEN FLAMES" sign.

**Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

VENTILATION REQUIREMENTS..... Local ventilation may be required during certain operations to maintain concentrations below recommended exposure limits.

PROTECTIVE EQUIPMENT

EYE/TYPE..... Safety glasses with sideshields, faceshield, and/or goggles to protect against airborne dust.

GLOVES/ TYPE..... Wear protective gloves.

RESPIRATORY/TYPE..... A NIOSH/OSHA approved dust respirator should be worn. Determine the appropriate type by consulting the respirator manufacturer.

CLOTHING/TYPE..... Wear impervious clothing and boots to prevent skin contact.

FOOTWEAR/TYPE..... No special protective clothing is required.

BODY/TYPE..... No special protective clothing is required.

**Section 09: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE..... Yellow flakes, prills, granules, pellets or pastilles.

ODOUR..... Faint odour of rotten eggs.

ODOUR THRESHOLD (ppm)..... Not available.

VAPOUR DENSITY (AIR=1)..... Not available.

BULK DENSITY..... Lumps 75 - 115 lbs/ft3 ; Powder 33 - 80 lbs/ft3.

% VOLATILE..... Not available.

VAPOUR PRESSURE (mm Hg)..... 0 mmHg @ 137.8 C.

EVAPORATION RATE..... Not applicable.

BOILING POINT (deg C)..... 444 C.

pH..... Not available.

SOLUBILITY IN WATER (% W/W)..... Insoluble.

SPECIFIC GRAVITY..... 2.07 @ 21.1 C.

COEFFICIENT OF WATER\OIL ..... Not applicable.

DISTRIBUTION

FREEZING POINT (deg C)..... 110 - 119 C.

MELTING POINT (deg C)..... 110 - 119 C.

**Section 10: STABILITY AND REACTIVITY**

HAZARDOUS POLYMERIZATION..... Will not occur.

STABILITY..... Stable.

INCOMPATIBILITY..... Strong oxidizing agents. Corrosive to copper & copper alloys. Damp sulfur will corrode steel.

CONDITIONS TO AVOID..... Ignition sources. Keep away from excessive heat or open flame.

HAZARDOUS PRODUCTS OF DECOMPOSITION ..... Sulphur oxides.

**Section 11: TOXICOLOGICAL INFORMATION**

TOXICITY EFFECTS ON ANIMALS..... Not available.

TOXIC EFFECTS ON HUMANS..... Irritant in case of eye contact. Irritating to skin.

CHRONIC EFFECTS ON HUMANS..... No specific information is available in our database regarding the other chronic toxic effects of this material for humans.

CARCINOGENICITY..... No evidence of carcinogenic effects according to ACGIH or IARC.

TERATOGENICITY..... No evidence of teratogen effects.

MUTAGENICITY..... No evidence of mutagenic effects.

REPRODUCTIVE EFFECTS..... No evidence of reproductive effects.

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**Section 12: ECOLOGICAL INFORMATION**

ECOTOXICITY DATA..... Not available.  
PRODUCTS OF DEGRADATION..... No specific information is available in our database regarding the degradation of this product.  
BIODEGRADABILITY..... Not determined.

**Section 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL..... Dispose in a suitable waste treatment facility in compliance with all federal, state/provincial and local regulations.

**Section 14: TRANSPORT INFORMATION**

SHIPPING NAME..... Sulfur.  
CLASS..... Class 4.1.  
UN NUMBER..... UN1350.  
PACKAGING GROUP..... PGIII.

**Section 15: REGULATORY INFORMATION**

CEPA STATUS..... All the ingredients are on the DSL list.  
WHMIS CLASSIFICATION..... WHMIS Class B4: Flammable Solids.

**Section 16: OTHER INFORMATION**

REFERENCES..... Manufacturer's Material Safety Data Sheet.  
TELEPHONE NUMBER:..... 905-458-7111.  
PREPARED BY: ..... Regulatory Affairs  
PREPARATION DATE: ..... Nov28/05