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# MATERIAL SAFETY DATA SHEET

## SUPER SPOTTER

### SECTION 1 MATERIAL IDENTIFICATION

WHMIS CLASSIFICATION  
HMIS

WHMIS CLASS B3, D-2B  
HEALTH 1, FLAMMABILITY 2, REACTIVITY 1,  
PERSONAL PROTECTION B  
MIXTURE  
NOT APPLICABLE  
CLEANER

CHEMICAL FORMULA  
MOLECULAR WEIGHT  
MATERIAL USE

### SECTION 2 HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENT  
APPROX. CONCENTRATION %  
CAS  
EXPOSURE LIMITS  
LD50/LC50/SPECIES/ROUTE

NONYL PHENOL ETHOXYLATE  
1-30  
7664-38-2  
NOT AVAILABLE  
ORAL (LD50) MG/KG: ACUTE: 2600 (RAT)

HAZARDOUS INGREDIENT  
APPROX. CONCENTRATION %  
CAS  
EXPOSURE LIMITS  
LD50/LC50/SPECIES/ROUTE

D'LIMONENE  
70-100  
5989-27-5  
NOT AVAILABLE  
ORAL (LD50) MG/KG: ACUTE: 4400 (RAT)

### SECTION 3 PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE  
ODOUR AND APPEARANCE  
ODOUR THRESHOLD (PPM)  
SPECIFIC GRAVITY  
VAPOUR PRESSURE (MM)  
VAPOUR DENSITY (AIR =1)  
EVAPORATION RATE  
BOILING POINT (°C)  
FREEZING POINT (°C)  
SOLUBILITY IN WATER (20°C)  
% VOLATILE (BY VOL.)  
PH

LIQUID  
CITRUS ODOUR, CLEAR LIQUID  
NOT AVAILABLE  
0.86  
NOT KNOWN  
NOT KNOWN  
NOT DETERMINED  
WEIGHTED AVERAGE: 174.6°C.  
NOT DETERMINED  
MISCIBLE IN WATER  
>85  
NOT AVAILABLE

### SECTION 4 FIRE AND EXPLOSION DATA

FLAMMABILITY  
MEANS OF EXTINCTION

COMBUSTIBLE  
SMALL FIRE: USE DRY CHEMICALS, CO2, WATER SPRAY OR  
FOAM.  
LARGE FIRE: USE WATER SPRAY, FOG OR FOAM. DO NOT USE  
WATER JET.

SPECIAL PROCEDURES  
FLASHPOINT (°C) AND METHOD  
  
UPPER EXPLOSION LIMIT (% BY VOL.)  
LOWER EXPLOSION LIMIT (% BY VOL.)  
HAZARDOUS COMBUSTION PRODUCTS

NOT AVAILABLE  
THE LOWEST KNOWN VALUE IS CLOSED CUP: 46°C (114.9°F).  
(TAGLIABUE). (D-LIMONENE)  
NOT DETERMINED  
NOT DETERMINED  
THESE PRODUCTS ARE CARBON OXIDES (CO, CO<sub>2</sub>).

#### SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY  
INCOMPATIBILITY? TO WHAT?

STABLE  
HIGHLY REACTIVE WITH OXIDIZING AGENTS, REDUCING AGENTS. VERY SLIGHTLY TO SLIGHTLY REACTIVE WITH ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS

THESE PRODUCTS ARE CARBON OXIDES (CO, CO<sub>2</sub>) AND OTHER IRRITATING GASES.

#### SECTION 6 TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY SKIN CONTACT Y/N Y  
ROUTE OF ENTRY EYE CONTACT Y/N Y  
ROUTE OF ENTRY INHALATION Y/N Y  
ROUTE OF ENTRY INGESTION Y/N Y

EFFECTS OF ACUTE EXPOSURE

THIS PRODUCT MAY IRRITATE EYES AND SKIN UPON CONTACT. INFLAMMATION OF THE EYE IS CHARACTERIZED BY REDNESS, WATERING AND ITCHING. SLIGHTLY DANGEROUS TO DANGEROUS IN CASE OF INGESTION OR INHALATION. VERY SLIGHTLY TO SLIGHTLY DANGEROUS IN CASE OF SKIN CONTACT (IRRITANT), OF EYE CONTACT (IRRITANT). NON-CORROSIVE FOR SKIN.

EFFECTS OF CHRONIC EXPOSURE

PROLONGED OR REPEATED EXPOSURE CAN CAUSE DRYING, DEFATTING AND DERMATITIS. CAN BE ABSORBED THROUGH SKIN IN TOXIC AMOUNTS IF CONTACT IS REPEATED AND PROLONGED.

SYNERGISTIC MATERIALS

NOT AVAILABLE

CARCINOGENICITY Y/N

N

REPRODUCTIVE EFFECTS Y/N

N

TERATOGENICITY Y/N

N

MUTAGENICITY Y/N

N

#### SECTION 7 PREVENTIVE MEASURES

GLOVES  
EYEWEAR  
FOOTWEAR  
CLOTHING  
ENGINEERING CONTROLS

IMPERVIOUS GLOVES  
SAFETY GLASSES  
AS REQUIRED BY EMPLOYER CODE  
AS REQUIRED BY EMPLOYER CODE  
GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS.

LEAK AND SPILL PROCEDURE

DILUTE WITH WATER AND MOP UP, OR ABSORB WITH AN INERT DRY MATERIAL AND PLACE IN AN APPROPRIATE WASTE DISPOSAL CONTAINER. COMBUSTIBLE LIQUID. KEEP AWAY FROM HEAT. KEEP AWAY FROM SOURCES OF IGNITION. STOP LEAK IF WITHOUT RISK. ABSORB WITH DRY EARTH, SAND OR OTHER NON-COMBUSTIBLE MATERIAL. DO NOT TOUCH SPILLED MATERIAL. PREVENT ENTRY INTO SEWERS, BASEMENTS OR CONFINED AREAS; DIKE IF NEEDED. ELIMINATE ALL SOURCES OF IGNITION.

WASTE DISPOSAL  
STORAGE REQUIREMENTS

CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES.  
COMBUSTIBLE MATERIALS SHOULD BE STORED AWAY FROM EXTREME HEAT AND AWAY FROM STRONG OXIDIZING AGENTS. KEEP CONTAINER TIGHTLY CLOSED IN A COOL, WELL-VENTILATED PLACE. GROUND ALL EQUIPMENT CONTAINING MATERIAL. A

REFRIGERATED ROOM WOULD BE PREFERABLE FOR MATERIALS WITH A FLASH POINT LOWER THAN 37.8°C (100°F).

**SECTION 8 FIRST AID MEASURES**

SKIN	REMOVE CONTAMINATED CLOTHES AS QUICKLY AS POSSIBLE, PROTECTING YOUR OWN HANDS AND BODY. PLACE THE VICTIM UNDER A DELUGE SHOWER. IF THE CHEMICAL TOUCHES THE VICTIM'S EXPOSED SKIN, SUCH AS THE HANDS: GENTLY AND THOROUGHLY WASH THE CONTAMINATED SKIN WITH RUNNING WATER AND NON-ABRASIVE SOAP. BE PARTICULARLY CAREFUL TO CLEAN FOLDS, CREVICES, CREASES AND GROIN. COLD WATER MAY BE USED. COVER THE IRRITATED SKIN WITH AN EMOLLIENT. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSING.
EYE	CHECK FOR AND REMOVE ANY CONTACT LENSES. IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES, KEEPING EYELIDS OPEN. COLD WATER MAY BE USED. DO NOT USE AN EYE OINTMENT. SEEK MEDICAL ATTENTION.
INHALATION	REMOVE TO FRESH AIR. IF SYMPTOMS PERSIST, CALL A PHYSICIAN.
INGESTION	DO NOT INDUCE VOMITING. HAVE CONSCIOUS PERSON DRINK SEVERAL GLASSES OF WATER OR MILK. SEEK IMMEDIATE MEDICAL ATTENTION.

VALIDATED BY YORK CHEMICAL TECHNOLOGIES INC ON 30/04/2010.

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