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MATERIAL SAFETY DATA SHEET

CITRUS CRUNCH

SECTION 1 MATERIAL IDENTIFICATION

WHMIS CLASSIFICATION
HMIS

WHMIS CLASS A, B5, D2B
HEALTH 1, FLAMMABILITY 4, REACTIVITY 0,
PERSONAL PROTECTION A
MIXTURE
NOT APPLICABLE
ODOUR COUNTERACTANT

CHEMICAL FORMULA
MOLECULAR WEIGHT
MATERIAL USE

SECTION 2 HAZARDOUS INGREDIENTS OF MATERIAL

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

LIQUEFIED PETROLEUM GAS
10-45
68476-85-7
TWA: 1000 CEIL: 1250 (PPM) TWA: 1800 CEIL: 2250 (MG/M³)
NOT AVAILABLE

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

DIPROPYLENE GLYCOL MONOMETHYL ETHER
1-10
34590-94-8
TWA: 100 CEIL: 150 (PPM) TWA: 600 CEIL: 900 (MG/M³)
ORAL (LD50) MG/KG: ACUTE: 5380 MG/KG (RAT)
DERMAL (LC50) PPM: ACUTE: 9510 MG/KG (RABBIT)

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

PETROLEUM DISTILLATE
20-60
64742-48-9
TWA: 300 PPM
NOT AVAILABLE

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

ETHANOL
10-30
64-17-5
TWA: 1000 PPM
ORAL (LD50) MG/KG: ACUTE: 7060 (RAT) VAPOUR (LC50)
ACUTE 31623 PPM (RAT) 4HOURS

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

D'LIMONENE
1-15
5989-27-5
NOT AVAILABLE
ORAL (LD50) MG/KG: ACUTE: 4400 (RAT)

SECTION 3 PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE	AEROSOL
ODOUR AND APPEARANCE	ORANGE ODOUR, CLEAR LIGHT YELLOW LIQUID
ODOUR THRESHOLD (PPM)	NOT AVAILABLE
SPECIFIC GRAVITY	0.75
VAPOUR PRESSURE (MM)	NOT DETERMINED
VAPOUR DENSITY (AIR =1)	HEAVIER THAN AIR
EVAPORATION RATE	NOT DETERMINED
BOILING POINT (°C)	THE LOWEST KNOWN VALUE IS 75°C (167°F) (ETHANOL)
FREEZING POINT (°C)	NOT DETERMINED
SOLUBILITY IN WATER (20°C)	MISCIBLE IN WATER
% VOLATILE (BY VOL.)	NOT AVAILABLE
PH	NOT AVAILABLE

SECTION 4 FIRE AND EXPLOSION DATA

FLAMMABILITY	FLAMMABLE
MEANS OF EXTINCTION	FLAMMABLE AEROSOL, LIQUID IS MISCIBLE IN WATER. SMALL FIRE: USE DRY CHEMICALS, CO ₂ , FOAM OR WATER FOG. LARGE FIRE: USE FOAM OR WATER FOG. COOL CONTAINING VESSELS WITH WATER JET IN ORDER TO PREVENT PRESSURE BUILD-UP, AUTOIGNITION OR EXPLOSION. AVOID SPREADING BURNING LIQUID WITH WATER USED TO COOL CONTAINERS.
SPECIAL PROCEDURES	NOT AVAILABLE
FLASHPOINT (°C) AND METHOD	THE LOWEST KNOWN VALUE IS CLOSED CUP: 7°C (44.6°F). (TAGLIABUE) (PETROLEUM DISTILLATE)
UPPER EXPLOSION LIMIT (% BY VOL.)	19%
LOWER EXPLOSION LIMIT (% BY VOL.)	0.6%
HAZARDOUS COMBUSTION PRODUCTS	THESE PRODUCTS ARE CARBON OXIDES (CO, CO ₂) AND OTHER IRRITATING GASES.
EXPLOSION SENSITIVITY TO CHEM. IMPACT	RISKS OF EXPLOSION OF THE PRODUCT IN PRESENCE OF MECHANICAL IMPACT.

SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY	STABLE
INCOMPATIBILITY? TO WHAT?	AVOID CONTACT WITH STRONG OXIDIZING AGENTS, STRONG ACIDS, STRONG ALKALIES AND IODINE PENTAFLUORIDE.
HAZARDOUS DECOMPOSITION PRODUCTS	THESE PRODUCTS ARE CARBON OXIDES (CO, CO ₂) AND OTHER IRRITATING GASES.

SECTION 6 TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY SKIN CONTACT	Y/N	Y
ROUTE OF ENTRY SKIN ABSORPTION		N
	Y/N	
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	EYE CONTACT: MAY CAUSE IRRITATION, REDNESS, ITCHING AND TEARING. SKIN CONTACT: MAY CAUSE IRRITATION, DEFATTING, DRYING AND CRACKING OF SKIN. INHALATION: VAPOURS MAY BE IRRITATING TO NOSE, THROAT AND RESPIRATORY TRACT. EXCESSIVE INHALATION OF VAPOURS MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE AND POSSIBLE UNCONSCIOUSNESS. INGESTION: MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. ASPIRATION OF MATERIAL INTO THE	

EFFECTS OF CHRONIC EXPOSURE	LUNGS CAN CAUSE CHEMICAL PNEUMONITIS. CAN BE FATAL IF INHALED OR INGESTED. PROLONGED OR REPEATED SKIN CONTACT MAY LEAD TO DERMATITIS. PROLONGED OR REPEATED EXPOSURE TO SPRAY MIST MIGHT PRODUCE RESPIRATORY TRACT IRRITATION.
SYNERGISTIC MATERIALS	NOT AVAILABLE
CARCINOGENICITY Y/N	N
REPRODUCTIVE EFFECTS Y/N	N
TERATOGENCITY Y/N	N
MUTAGENICITY Y/N	N

SECTION 7 PREVENTIVE MEASURES

GLOVES	IMPERVIOUS GLOVES
EYEWEAR	SAFETY GLASSES
FOOTWEAR	AS REQUIRED BY EMPLOYER CODE
CLOTHING	AS REQUIRED BY EMPLOYER CODE
ENGINEERING CONTROLS	GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS.
LEAK AND SPILL PROCEDURE	VENTILATE AREA AND ELIMINATE ALL SOURCES OF IGNITION. KEEP AWAY FROM HEAT. ABSORB WITH AN INERT MATERIAL AND PUT THE SPILLED MATERIAL IN AN APPROPRIATE WASTE DISPOSAL CONTAINER.
WASTE DISPOSAL	CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES.
STORAGE REQUIREMENTS	KEEP IN A COOL WELL-VENTILATED PLACE. KEEP AWAY FROM HEAT, SPARKS AND FLAME. DO NOT PUNCTURE, INCINERATE, STORE THE CONTAINER AT TEMPERATURES ABOVE 49 ⁰ C (120 ⁰ F) OR IN DIRECT SUNLIGHT.

SECTION 8 FIRST AID MEASURES

SKIN	WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. COMPLETELY DECONTAMINATE CLOTHING, SHOES AND LEATHER GOODS BEFORE REUSE OR DISCARD.
EYE	IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES, KEEPING EYELIDS OPEN. IF IRRITATION PERSISTS SEEK MEDICAL ATTENTION.
INHALATION	REMOVE TO FRESH AIR. IF SYMPTOMS PERSIST, CALL A PHYSICIAN.
INGESTION	DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. HAVE CONSCIOUS PERSON DRINK SEVERAL GLASSES OF WATER OR MILK. NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS, IS RAPIDLY LOSING CONSCIOUSNESS OR IS CONVULSING. ASPIRATION OF MATERIAL INTO LUNGS DUE TO VOMITING MAY CAUSE CHEMICAL PNEUMONITIS. SEEK IMMEDIATE MEDICAL ATTENTION.

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

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