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MATERIAL SAFETY DATA SHEET

CITRUSWISE

SECTION 1 MATERIAL IDENTIFICATION

WHMIS CLASSIFICATION
HMIS:

CHEMICAL FORMULA
MOLECULAR WEIGHT
MATERIAL USE

WHMIS CLASS A, B5, D-2B
HEALTH 2, FLAMMABILITY 4, REACTIVITY 0,
PERSONAL PROTECTION B
MIXTURE
NOT APPLICABLE
CLEANER

SECTION 2 HAZARDOUS INGREDIENTS OF MATERIAL

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

D-LIMONENE
1-20
5989-27-5
NOT AVAILABLE
ORAL (LD50) MG/KG: ACUTE: 4400 (RAT)

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

ISOBUTANE
1-20
75-28-5
800 PPM
NOT AVAILABLE

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

N-BUTANE
1-20
106-97-8
800 PPM
NOT AVAILABLE

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

IPA
1-10
67-63-0
TWA: 400 PPM CEIL: 500 (PPM) TWA: 900 CEIL: 1225 (MG/M³)
ORAL (LD50) MG/KG: ACUTE: 3600 (MOUSE) VAPOUR (LC50)
ACUTE 16970 PPM (RAT) 4HOURS

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

PROPANE
20-30
74-98-6
TWA: 1000 PPM
NOT AVAILABLE

SECTION 3 PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE	AEROSOL
ODOUR AND APPEARANCE	CITRUS ODOUR, WHITE FOAM
ODOUR THRESHOLD (PPM)	NOT AVAILABLE
SPECIFIC GRAVITY	0.91
VAPOUR PRESSURE (MM)	60
VAPOUR DENSITY (AIR =1)	HEAVIER THAN AIR
EVAPORATION RATE	SLOWER THAN ETHER
BOILING POINT (°C)	-40°C (-40°F)
SOLUBILITY IN WATER (20°C)	SOLUBLE
% VOLATILE (BY VOL.)	NOT AVAILABLE
PH	10

SECTION 4 FIRE AND EXPLOSION DATA

FLAMMABILITY	FLAMMABLE
MEANS OF EXTINCTION	WATER FOG, CARBON DIOXIDE, DRY CHEMICAL.
SPECIAL PROCEDURES	WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE OPERATED IN THE POSITIVE PRESSURE MODE. USE WATER SPRAY TO KEEP CONTAINERS COOL.
FLASHPOINT (°C) AND METHOD	<0°F
UPPER EXPLOSION LIMIT (% BY VOL.)	12.7
LOWER EXPLOSION LIMIT (% BY VOL.)	0.7
HAZARDOUS COMBUSTION PRODUCTS	CARBON DIOXIDE, CARBON MONOXIDE

SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY	STABLE
INCOMPATIBILITY? TO WHAT?	NONE KNOWN
HAZARDOUS DECOMPOSITION PRODUCTS	CARBON DIOXIDE, CARBON MONOXIDE

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	SKIN IRRITANT, WILL CAUSE DEFATTING OF THE SKIN. EYE IRRITANT, WILL CAUSE REDNESS AND BURNING SENSATION. EFFECTS OF INHALATION OVEREXPOSURE INCLUDE IRRITATION OF RESPIRATORY TRACT, HEADACHE, DIZZINESS, NAUSEA AND LOSS OF COORDINATION. ASPIRATION HAZARD IF SWALLOWED.
EFFECTS OF CHRONIC EXPOSURE	NONE KNOWN
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	RUBBER
EYEWEAR	SAFETY GLASSES OR GOGGLES
FOOTWEAR	NORMAL FOOTWEAR
CLOTHING	WEAR IMPERVIOUS PROTECTIVE CLOTHING.
ENGINEERING CONTROLS	GOOD VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS.

LEAK AND SPILL PROCEDURE

SPILLS CAN BE HANDLED ROUTINELY. MAY BE ABSORBED WITH DIATOMACEOUS EARTH OR CLAY. COLLECT FOR RECOVERY OR DISPOSAL.

WASTE DISPOSAL
STORAGE REQUIREMENTS

CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES.
KEEP IN A COOL WELL-VENTILATED PLACE. KEEP AWAY FROM HEAT, SPARKS AND FLAME. DO NOT PUNCTURE, INCINERATE, STORE THE CONTAINER AT TEMPERATURES ABOVE 490C (1200F) OR IN DIRECT SUNLIGHT.

SECTION 8 FIRST AID MEASURES

SKIN

THOROUGHLY WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

EYE

IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 20 MINUTES, KEEPING EYELIDS OPEN. SEEK MEDICAL ATTENTION.

INHALATION

REMOVE TO FRESH AIR. IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

INGESTION

DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

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