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# MATERIAL SAFETY DATA SHEET

## CRANCINNAMON

### SECTION 1 MATERIAL IDENTIFICATION

WHMIS CLASSIFICATION	WHMIS CLASS A, B2, D2B
HMIS	HEALTH 1, FLAMMABILITY 4, REACTIVITY 0,
	PERSONAL PROTECTION A
CHEMICAL FORMULA	MIXTURE
MOLECULAR WEIGHT	NOT APPLICABLE
MATERIAL USE	ODOUR COUNTERACTANT

### SECTION 2 HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENT	ACETONE
APPROX. CONCENTRATION %	60-70
CAS	67-64-1
EXPOSURE LIMITS	TWA: 750 CEIL:1000 (PPM)
LD50/LC50/SPECIES/ROUTE	NOT AVAILABLE
HAZARDOUS INGREDIENT	PROPANE-ISOBUTANE-N-BUTANE
APPROX. CONCENTRATION %	20-30
CAS	74-98-6
EXPOSURE LIMITS	TWA: 1000 (PPM)
LD50/LC50/SPECIES/ROUTE	NOT AVAILABLE

### SECTION 3 PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE	AEROSOL
ODOUR AND APPEARANCE	CRANBERRY CINNAMON ODOUR, CLEAR LIQUID
ODOUR THRESHOLD (PPM)	NOT AVAILABLE
SPECIFIC GRAVITY	0.7
VAPOUR PRESSURE (MM)	NOT DETERMINED
VAPOUR DENSITY (AIR =1)	4.0
EVAPORATION RATE	>1
BOILING POINT (°C)	NOT DETERMINED
FREEZING POINT (°C)	NOT DETERMINED
SOLUBILITY IN WATER (20°C)	NIL
% VOLATILE (BY VOL.)	NOT DETERMINED
PH	NOT APPLICABLE

### SECTION 4 FIRE AND EXPLOSION DATA

FLAMMABILITY	FLAMMABLE
MEANS OF EXTINCTION	USE DRY CHEMICALS, CO <sub>2</sub> , FOAM OR WATER FOG. COOL CONTAINING VESSELS WITH WATER JET IN ORDER TO PREVENT PRESSURE BUILD-UP, AUTOIGNITION OR EXPLOSION.

SPECIAL PROCEDURES	SELF-CONTAINED RESPIRATORY PROTECTION SHOULD BE PROVIDED FOR FIREFIGHTERS.
FLASHPOINT (°C) AND METHOD	-96°C (-142°F)
UPPER EXPLOSION LIMIT (% BY VOL.)	9.5
LOWER EXPLOSION LIMIT (% BY VOL.)	1.8
HAZARDOUS COMBUSTION PRODUCTS	CARBON DIOXIDE
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?	STRONG OXIDIZERS, ACIDS
HAZARDOUS DECOMPOSITION PRODUCTS	OXIDES OF CARBON (CO, CO <sub>2</sub> )

#### 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	MAY CAUSE DIZZINESS OR NARCOSIS IN HIGH VAPOUR CONCENTRATIONS. WILL CAUSE DEFATTING OF SKIN. EFFECTS ARE REVERSIBLE. ASPIRATION HAZARD IF SWALLOWED. EYE AND SKIN IRRITANT. MAY IRRITATE RESPIRATORY TRACT. DELIBERATELY CONCENTRATING AND INHALING VAPOUR OF THE CONTENTS MAY BE HARMFUL OR FATAL
EFFECTS OF CHRONIC EXPOSURE	LONG TERM EXPOSURE (YEARS) TO HIGH CONCENTRATIONS OF VAPOUR MAY CAUSE LUNG, LIVER OR KIDNEY DAMAGE. THE SOLVENTS LISTED HAVE BEEN REPORTED TO AFFECT THE CENTRAL NERVOUS SYSTEM.
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	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. DILUTE WITH WATER AND MOP UP, OR 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°C (120°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. SEEK IMMEDIATE MEDICAL ATTENTION.

*VALIDATED BY YORK CHEMICAL TECHNOLOGIES INC*

*ON 30/04/2010*

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