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MATERIAL SAFETY DATA SHEET

METALICO

SECTION 1 MATERIAL IDENTIFICATION

WHMIS CLASSIFICATION	WHMIS CLASS A, D2B
HMIS	HEALTH 2, FLAMMABILITY 4, REACTIVITY 1, PERSONAL PROTECTION B
CHEMICAL FORMULA	MIXTURE
MOLECULAR WEIGHT	NOT APPLICABLE
MATERIAL USE	METAL POLISH

SECTION 2 HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENT	NAPHTHA, HYDROTREATED HEAVY
APPROX. CONCENTRATION %	1-5
CAS	64741-48-9
EXPOSURE LIMITS	TWA: 300 (PPM)
LD50/LC50/SPECIES/ROUTE	ORAL (LD50) PPM: ACUTE: 5000 (RAT). VAPOUR (LC50): PPM ACUTE: 5000 (RABBIT)
HAZARDOUS INGREDIENT	LIQUEFIED PETROLEUM GAS
APPROX. CONCENTRATION %	3-7
CAS	68476-85-7
EXPOSURE LIMITS	TWA: 1000 CEIL: 1250 (PPM) TWA: 1800 CEIL: 2250 (MG/M ³)
LD50/LC50/SPECIES/ROUTE	NOT AVAILABLE
HAZARDOUS INGREDIENT	KEROSENE
APPROX. CONCENTRATION %	5-10
CAS	8008-20-6
EXPOSURE LIMITS	NOT AVAILABLE
LD50/LC50/SPECIES/ROUTE	NOT AVAILABLE

SECTION 3 PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE	AEROSOL
ODOUR AND APPEARANCE	MILD ODOUR, FOAM
ODOUR THRESHOLD (PPM)	NOT AVAILABLE
SPECIFIC GRAVITY	1.04 (WATER=1)
VAPOUR PRESSURE (MM)	19.16 MM OF HG (@20 ⁰ C)
VAPOUR DENSITY (AIR =1)	1.24
EVAPORATION RATE	NOT DETERMINED
BOILING POINT (⁰ C)	100 ⁰ C (212 ⁰ F)
FREEZING POINT (⁰ C)	NOT DETERMINED
SOLUBILITY IN WATER (20 ⁰ C)	SOLUBLE
% VOLATILE (BY VOL.)	79.5 (W/W)
PH	8.75-9.40

SECTION 4 FIRE AND EXPLOSION DATA

FLAMMABILITY	NON-FLAMMABLE
MEANS OF EXTINCTION	COOL CONTAINING VESSELS WITH WATER JET IN ORDER TO PREVENT PRESSURE BUILD-UP, AUTOIGNITION OR EXPLOSION.
SPECIAL PROCEDURES	NOT AVAILABLE
FLASHPOINT (°C) AND METHOD	NOT APPLICABLE
UPPER EXPLOSION LIMIT (% BY VOL.)	NOT APPLICABLE
LOWER EXPLOSION LIMIT (% BY VOL.)	NOT APPLICABLE
HAZARDOUS COMBUSTION PRODUCTS	THESE PRODUCTS ARE CARBON OXIDES (CO, CO ₂), NITROGEN OXIDES (NO, NO 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 AND STRONG ALKALIES. KEEP AWAY FROM HEAT, OPEN FLAME AND ALL POSSIBLE IGNITION SOURCES.
HAZARDOUS DECOMPOSITION PRODUCTS	NOT AVAILABLE

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	EYE CONTACT: MAY CAUSE IRRITATION, REDNESS, ITCHING AND TEARING. SKIN CONTACT: MILD TO MODERATE IRRITATION. INHALATION: VAPOURS MAY BE IRRITATING TO NOSE, THROAT AND RESPIRATORY TRACT. INGESTION: MAY CAUSE BURNS TO THE MOUTH, THROAT AND STOMACH. MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE AND POSSIBLE UNCONSCIOUSNESS. ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS. CAN BE FATAL IF INHALED OR INGESTED.
EFFECTS OF CHRONIC EXPOSURE	THE SUBSTANCE IS TOXIC TO BLOOD, KIDNEYS, AND LIVER. REPEATED OR PROLONGED EXPOSURE TO THE SUBSTANCE CAN PRODUCE TARGET ORGAN DAMAGE.
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
ENGINEERING CONTROLS

LEAK AND SPILL PROCEDURE
WASTE DISPOSAL
STORAGE REQUIREMENTS

AS REQUIRED BY EMPLOYER CODE
GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT
TO CONTROL AIRBORNE LEVELS.
NOT APPLICABLE
CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES.
KEEP IN A COOL WELL-VENTILATED PLACE. DO NOT
PUNCTURE, INCINERATE, STORE THE CONTAINER AT
TEMPERATURES ABOVE 49⁰C (120⁰F) 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. 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. GUARD AGAINST ASPIRATION INTO THE LUNGS. ASPIRATION OF MATERIAL INTO THE LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS. SEEK IMMEDIATE MEDICAL ATTENTION.

*VALIDATED BY YORK CHEMICAL TECHNOLOGIES INC
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