

Product Name

Drinking Birds (old Hand Boilers)

MSDS Number

SD-005

Chemical Name

Methylene Chloride

Product Number

3155367, 3053617, 3052382
(old Syle)

Hazard Pictograms



Supplier Info

Skywill Far East Ind. Ltd.
53-57 Kwai Fung Crescent,
Kwai Chung, NT
Hong Kong
Tel: (852) 27858539
Emergency - 1-800-424-9300

Signal Word

Danger

Precautionary Statements

Poison Danger - Causes Irritation - Harmful
If Absorbed Through Skin - May Be Fatal if
Swallowed or Inhaled Note: Reported as
Causing Cancer in Laboratory Animals.
EXERCISE DUE CARE Avoid
contact with Eyes, Skin, Chlothing - Keep in
Tightly Closed Container. Wash Thoroughly
After Handling.

Hazard Statement

Irritant, flush copious amounts of
water
Prevent Entry into waterways or
sewars

Supplimental Information

305 2382, 305-3617
(old style)

3155367

MSDS for Methylene Chloride

1 - PRODUCT IDENTIFICATION

PRODUCT NAME: METHYLENE CHLORIDE
FORMULA: CH₂CL₂
FORMULA WT: 84.93
CAS NO.: 75-09-2
COMMON SYNONYMS: DICHLOROMETHANE; METHYLENE DICHLORIDE;
METHANE DICHLORIDE

LABORATORY PROTECTIVE EQUIPMENT

GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES

PRECAUTIONARY LABEL STATEMENTS

POISON DANGER
CAUSES IRRITATION
HARMFUL IF ABSORBED THROUGH SKIN
MAY BE FATAL IF SWALLOWED OR INHALED

NOTE: REPORTED AS CAUSING CANCER IN LABORATORY ANIMALS. EXERCISE DUE CARE.

AVOID CONTACT WITH EYES, SKIN, CLOTHING.

KEEP IN TIGHTLY CLOSED CONTAINER. WASH THOROUGHLY AFTER HANDLING.

2 - HAZARDOUS COMPONENTS

CAS NO.	COMPONENT	%
75-09-2	METHYLENE CHLORIDE	90-100

3 - PHYSICAL DATA

BOILING POINT: 40 C (104 F) VAPOR PRESSURE (MM HG) : 350
MELTING POINT: -95 C (-139 F) VAPOR DENSITY (AIR=1) :
2.9
SPECIFIC GRAVITY: 1.32 EVAPORATION RATE:
27.5 (H2O=1) (BUTYL ACETATE=1)
SOLUBILITY (H2O) : MODERATE (1 TO 10 %) % VOLATILES BY VOLUME:
100

APPEARANCE & ODOR: COLORLESS, VOLATILE LIQUID WITH
PENETRATING, ETHER-LIKE ODOR.

4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (CLOSED CUP N/A NFPA 704M RATING: 2-1-0
FLAMMABLE LIMITS: UPPER - 19 % LOWER - 12 %

FIRE EXTINGUISHING MEDIA
USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

SPECIAL FIRE-FIGHTING PROCEDURES
FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND
SELF-CONTAINED
BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN POSITIVE
PRESSURE MODE.
MOVE CONTAINERS FROM FIRE AREA IF IT CAN BE DONE WITHOUT RISK. USE
WATER
TO KEEP FIRE-EXPOSED CONTAINERS COOL.

UNUSUAL FIRE & EXPLOSION HAZARDS
CLOSED CONTAINERS EXPOSED TO HEAT MAY EXPLODE.

TOXIC GASES PRODUCED HYDROGEN CHLORIDE, PHOSGENE, CARBON
MONOXIDE, CARBON DIOXIDE

5 - HEALTH HAZARD DATA

ACGIH DENOTES THAT THIS SUBSTANCE IS SUSPECT OF CARCINOGENIC POTENTIAL FOR MAN.

THRESHOLD LIMIT VALUE (TLV/TWA): 350 MG/M3 (100 PPM)
SHORT-TERM EXPOSURE LIMIT (STEL): 1740 MG/M3 (500 PPM)
PERMISSIBLE EXPOSURE LIMIT (PEL): MG/M3 (500 PPM)

TOXICITY: LD50 (ORAL-RAT) (MG/KG) - 2524
LD50 (IPR-MOUSE) (MG/KG) - 1500
LD50 (SCU-MOUSE) (MG/KG) - 6460
LC50 (INHAL-RAT-) (G/M3) - 88

CARCINOGENICITY: NTP: NO IARC: NO Z LIST: NO OSHA REG: NO

EFFECTS OF OVEREXPOSURE

INHALATION AND INGESTION ARE HARMFUL AND MAY BE FATAL.
INHALATION MAY CAUSE HEADACHE, NAUSEA, VOMITING, DIZZINESS, NARCOSIS, SUFFOCATION, LOWER BLOOD PRESSURE, CENTRAL NERVOUS SYSTEM DEPRESSION.
INHALATION OF VAPORS MAY CAUSE SEVERE IRRITATION OF THE RESPIRATORY SYSTEM. LIQUID MAY BE IRRITATING TO SKIN AND EYES. PROLONGED SKIN CONTACT MAY RESULT IN DERMATITIS. EYE CONTACT MAY RESULT IN TEMPORARY CORNEAL DAMAGE.

INGESTION MAY CAUSE NAUSEA, VOMITING, GASTROINTESTINAL IRRITATION, AND BURNS TO MOUTH AND THROAT.

TARGET ORGANS

SKIN, CARDIOVASCULAR SYSTEM, CENTRAL NERVOUS SYSTEM, EYES

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

NONE IDENTIFIED

ROUTES OF ENTRY

INHALATION, INGESTION, SKIN CONTACT, EYE CONTACT

EMERGENCY AND FIRST AID PROCEDURES

CALL A PHYSICIAN.

IF SWALLOWED, DO NOT INDUCE VOMITING.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. FLUSH SKIN WITH WATER.

ACCEPTABLE MAXIMUM PEAK ABOVE THE ACCEPTANCE CEILING CONCENTRATION FOR AN 8 HOUR SHIFT = 2000 PPM FOR 5 MINUTES IN ANY 2HOURS. (PEL) CEILING
= 1000 PPM

6 - REACTIVITY DATA

STABILITY: STABLE
OCCUR

HAZARDOUS POLYMERIZATION: WILL NOT

CONDITIONS TO AVOID: HEAT, FLAME, OTHER SOURCES OF IGNITION, MOISTURE

INCOMPATIBLES: ALKALI METALS, STRONG OXIDIZING AGENTS, STRONG BASES, OXIDES OF NITROGEN, ZINC, ALUMINUM, WATER, MAGNESIUM, AMINES

DECOMPOSITION PRODUCTS: HYDROGEN CHLORIDE, PHOSGENE,
CARBON MONOXIDE, CARBON
DIOXIDE

7 - SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN THE EVENT OF A SPILL OR DISCHARGE
WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.
STOP LEAK IF YOU CAN DO SO WITHOUT RISK. USE WATER SPRAY TO REDUCE VAPORS.

TAKE UP WITH SAND OR OTHER NON-COMBUSTIBLE ABSORBENT MATERIAL AND PLACE INTO CONTAINER FOR LATER DISPOSAL. FLUSH SPILL AREA WITH WATER.

DISPOSAL PROCEDURE

DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

EPA HAZARDOUS WASTE NUMBER:

U080 (TOXIC WASTE)

8 - PROTECTIVE EQUIPMENT

VENTILATION:
VENTILATION TO MEET

USE GENERAL OR LOCAL EXHAUST
TLV REQUIREMENTS.

RESPIRATORY PROTECTION: RESPIRATORY PROTECTION REQUIRED IF AIRBORNE
CONCENTRATION EXCEEDS TLV.
AT CONCENTRATIONS

SELF-CONTAINED BREATHING

ABOVE 100 PPM, A

APPARATUS IS ADVISED.

EYE/SKIN PROTECTION:
ALCOHOL GLOVES ARE

SAFETY GOGGLES AND FACE SHIELD, UNIFORM,
PROTECTIVE SUIT, POLYVINYL
RECOMMENDED.

9 - STORAGE AND HANDLING PRECAUTIONS

SAF-T-DATA(TM) STORAGE COLOR CODE: BLUE (HEALTH)

SPECIAL PRECAUTIONS

KEEP CONTAINER TIGHTLY CLOSED. STORE IN SECURE POISON AREA.
KEEP CONTAINERS OUT OF SUN AND AWAY FROM HEAT.

10 - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

DOMESTIC (D. O. T.)

PROPER SHIPPING NAME	DICHLOROMETHANE (AIR ONLY)
HAZARD CLASS	ORM-A
UN/NA	UN1593
LABELS	NONE
REPORTABLE QUANTITY	1000 LBS.

INTERNATIONAL (I. M. O.)

PROPER SHIPPING NAME

DICHLOROMETHANE

HAZARD CLASS

6.1

UN/NA

UN1593

LABELS

HARMFUL - STOW AWAY FROM FOOD STUFFS

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COMPONENT	%	CAS NO.
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(H₂O=1) (BUTYL ACETATE=1)
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EPA HAZARDOUS WASTE NUMBER: U080 (TOXIC WASTE)

8 - PROTECTIVE EQUIPMENT

VENTILATION: USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

RESPIRATORY PROTECTION:

RESPIRATORY PROTECTION REQUIRED IF AIRBORNE CONCENTRATION EXCEEDS TLV. AT CONCENTRATIONS ABOVE 100 PPM, A SELF-CONTAINED BREATHING APPARATUS IS ADVISED.

EYE/SKIN PROTECTION: SAFETY GOGGLES AND FACE SHIELD, UNIFORM, PROTECTIVE SUIT, POLYVINYL ALCOHOL GLOVES ARE RECOMMENDED.

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10 - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

DOMESTIC (D.O.T.)
PROPER SHIPPING NAME: DICHLOROMETHANE (AIR ONLY)
HAZARD CLASS: ORM-A
UN/NA: UN1593
LABELS: NONE
REPORTABLE QUANTITY: 1000 LBS.
INTERNATIONAL (I.M.O.):
PROPER SHIPPING NAME: DICHLOROMETHANE
HAZARD CLASS: 6.1
UN/NA: UN1593
LABELS: HARMFUL - STOW AWAY FROM FOOD STUFFS