

MATERIAL SAFETY DATA SHEET



NFPA RATING

HEALTH: 3 FLAMMABILITY: 0 REACTIVITY: 1

DATE PREPARED: JUNE 1 1990

MFSA EMERGENCY NUMBER: 1-313-644-5626

PRODUCT NAME CAMBLACK PART A

CAMCHEM

5150 Merriman Road
P.O. Box 4143
Jackson, Michigan 49201
(517) 789-0123

HAZARDOUS INGREDIENTS

COMPONENT	CAS #	OSHA PEL	ACGIH TLV	PERCENT
ACETIC ACID	64-19-7	10 PPM	25 mg/m ³	< 50
SODIUM BICHROMATE	10588-01-9	N/A	0.1 mg/m ³	< 20
SULFURIC ACID	7764-93-9	1 mg/m ³	1 mg/m ³	< 5

PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: > 212	SPECIFIC GRAVITY (water=1): 1.3
MELTING POINT: N/A	EVAPORATION RATE (water=1): < 1
SOLUBILITY IN WATER: COMPLETE	ODOR: CHARACTERISTIC ACIDIC
APPEARANCE	DARK RED LIQUID

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: (method used) N/A	FLAMMABLE LIMITS: NON FLAMMABLE
EXTINGUISHING MEDIA	WATER SPRAY

SPECIAL FIRE FIGHTING PROCEDURES

SELF CONTAINED OR CLEAN AIR SUPPLIED BREATHING APPARATUS
AND PROTECTIVE CLOTHING SHOULD BE WORN.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS

POWERFUL OXIDIZER. MAY IGNITE COMBUSTIBLES.

REACTIVITY DATA

DECOMPOSITION: NONE

MATERIALS TO AVOID CONTACT

KEEP AWAY FROM CYANIDE.

POLYMERIZATION: WILL NOT OCCUR

STABILITY: STABLE

HEALTH HAZARD DATA

ROUTE(S) OF ENTRY

INHALATION? YES

SKIN? YES

INGESTION? YES

CARCINOGENICITY: NONE

NO INGREDIENTS ARE LISTED AS CANCER CAUSING AGENTS OR
SUSPECTS ACCORDING TO NTP OR IARC MONOGRAPHS.

SIGNS AND SYMPTOMS OF EXPOSURE

EYE IRRITANT
SKIN IRRITANT
IRRITATING TO MUCOUS MEMBRANES.

INGESTION MAY CAUSE NAUSEA, VOMITING AND ABDOMINAL PAIN.
INDUSTRIAL CHEMICALS SHOULD NEVER BE TAKEN ORALLY.

EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH WITH WATER FOR 15 MINUTES AND SEEK MEDICAL
ATTENTION.

SKIN: WASH WITH WATER, REMOVE CONTAMINATED CLOTHING AND
CONTACT A PHYSICIAN.

INGESTION: IF CONSIDIOUS, GIVE LARGE QUANTITIES OF WATER AND
INDUCE VOMITING. SEEK MEDICAL ATTENTION.

INHALATION: REMOVE PERSON TO FRESH AIR AND SEEK MEDICAL
ATTENTION.

CONSULT A PHYSICIAN WHEN ANY OF THESE SYMPTOMS PERSISTS.

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE OF SPILL

NEUTRALIZE WITH LIME OR SODA ASH, APPLY ABSORBANT COMPOUND
AND DISPOSE. FLUSH REMAINDER WITH WATER.

WASTE DISPOSAL PROCEDURE

DISPOSE OF IN ACCORDANCE TO FEDERAL, STATE AND LOCAL
REGULATIONS.

HANDLING AND STORING PRECAUTIONS

STORE AWAY FROM CYANIDE, ALWAYS KEEP CONTAINER CLOSED.
STORE IN COOL DRY PLACE. DO NOT FREEZE. KEEP CONTAINER
CLOSED.

OTHER PRECAUTIONS

NONE

MATERIAL SAFETY DATA SHEET



NFPA RATING

HEALTH: 2

FLAMMABILITY: 0

REACTIVITY: 1

DATE PREPARED: JUNE 1 1990

MFSA EMERGENCY NUMBER: 1-313-644-5626

PRODUCT NAME CAMBLACK PART B

CAMCHEM

5150 Merriman Road

P.O. Box 4143

Jackson, Michigan 49201

(517) 789-0123

HAZARDOUS INGREDIENTS

COMPONENT	CAS #	OSHA PEL	ACGIH TLV	PERCENT
ACETIC ACID	64-19-7	10 FPM	25 mg/m ³	< 5
SILVER NITRATE	776-1888	.01 mg/m ³	N/A	< 5

PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 212 SPECIFIC GRAVITY (water=1): 1.08

MELTING POINT: N/A EVAPORATION RATE (water=1): < 1

SOLUBILITY IN WATER: COMPLETE ODOR: ACIDIC.

APPEARANCE PURPLEISH TRANSLUCENT LIQUID

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A FLAMMABLE LIMITS: NON FLAMMABLE
(method used)

EXTINGUISHING MEDIA WATER SPRAY FOAM
 DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES

COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. EXERCISE CAUTION AS STEAM EXPLOSION MAY OCCUR.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS

NONE

CONTROL MEASURES

RESPIRATORY: MIST TYPE

VENTILATION: LOCAL EXHAUST

GLOVES: RUBBER/NEOPRENE

EYES: SPLASH GOGGLES

OTHER RUBBER APRON AND BOOTS

DOT INFORMATIONDOT PROPER SHIPPING NAME:
CORROSIVE LIQUID, NOS

SULFURIC ACID

HAZARD CLASS: CORROSIVE MATERIAL

ID NUMBER: NA 1760

PRECAUTIONARY LABELS:THIS MATERIAL IS CORROSIVE, WEAR PROTECTIVE CLOTHING AND USE
CAUTION WHEN HANDLING.

REACTIVITY DATA

DECOMPOSITION: TOXIC GASSES

MATERIALS TO AVOID CONTACT

KEEP AWAY FROM CYANIDE.

KEEP AWAY FROM ORGANIC MATERIALS.

POLYMERIZATION: WILL NOT OCCUR

STABILITY: STABLE

HEALTH HAZARD DATA

ROUTE(S) OF ENTRY

INHALATION? YES

SKIN? YES

INGESTION? YES

CARCINOGENICITY: NONE

NO INGREDIENTS ARE LISTED AS CANCER CAUSING AGENTS OR SUSPECTS ACCORDING TO NTP OR IARC MONOGRAPHS.

SIGNS AND SYMPTOMS OF EXPOSURE

EYE IRRITANT, CAN CAUSE BURNS.
SKIN IRRITANT, MAY CAUSE BURNS.
IRRITATING TO MUCOUS MEMBRANES.

MAY BE FATAL IF SWALLOWED.

EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH WITH WATER FOR 15 MINUTES AND SEEK MEDICAL ATTENTION.

SKIN: WASH WITH WATER, REMOVE CONTAMINATED CLOTHING AND CONTACT A PHYSICIAN.

INHALATION: REMOVE PERSON TO FRESH AIR AND SEEK MEDICAL ATTENTION.

POISON! IF SWALLOWED, GIVE MAGNESIA OR WHITING SUSPENDED IN WATER. FOLLOW WITH AN EMETIC. CALL PHYSICIAN.

CONSULT A PHYSICIAN WHEN ANY OF THESE SYMPTOMS PERSISTS.

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE OF SPILL

NEUTRALIZE WITH LIME OR SODA ASH, APPLY ABSORBANT COMPOUND AND DISPOSE. FLUSH REMAINDER WITH WATER.

WASTE DISPOSAL PROCEDURE

DISPOSE OF IN ACCORDANCE TO FEDERAL, STATE AND LOCAL REGULATIONS CONCERNING CHROMATES.

HANDLING AND STORING PRECAUTIONS

STORE AWAY FROM ORGANICS, ALWAYS KEEP CONTAINER CLOSED.
STORE IN COOL DRY AREA, ALWAYS KEEP CONTAINER CLOSED.

OTHER PRECAUTIONS

POISON! NO NOT INGEST.

PRODUCT NAME: CAMBLACK PART B

CONTROL MEASURES

RESPIRATORY: MIST TYPE

VENTILATION: LOCAL EXHAUST

GLOVES: RUBBER

EYES: SPLASH GOGGLES

OTHER: NONE

DOT INFORMATION

DOT PROPER SHIPPING NAME:
CORROSIVE LIQUID, NOS

ACETIC ACID, SILVER NITRATE

HAZARD CLASS: CORROSIVE MATERIAL

ID NUMBER: NA 1760

PRECAUTIONARY LABELS:

THIS MATERIAL IS CORROSIVE, WEAR PROTECTIVE CLOTHING AND USE
CAUTION WHEN HANDLING.