

MATERIAL SAFETY DATA SHEET
SECTION I – MATERIAL IDENTIFICATION AND USE

MATERIAL NAME: 402 PLUS

MANUFACTURERS NAME:

CP INDUSTRIES LTD.
225 BLACK STREET
FERGUS, ONTARIO N1M 1A5

EMERGENCY TELEPHONE NUMBER: (613) 996-6666

Non-Office Hours, Weekends, or Holidays – (CANUTEC) Call Collect

CHEMICAL NAME

Not Applicable

MOLECULAR WEIGHT

Not Applicable

CHEMICAL FAMILY

Built surfactant

TRADE NAME AND SYNONYMS

Not Available

SUPPLIERS NAME:

QUALITY CHEMICALS
215 DOLOMITE DRIVE
DOWNSVIEW, ONTARIO M3J 2N1

EMERGENCY TELEPHONE NUMBER: (613) 996-6666

Non-Office Hours, Weekends, or Holidays – (CANUTEC) Call Collect

CHEMICAL FORMULA

Not Applicable

MATERIAL USE

General Purpose Cleaner

WHMIS CLASS

D2B E

SECTION II – HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROXIMATE CONCENTRATION %	C.A.S.N.A.	“EXPOSURE LIMITS”	LD50/LC50 SPECIFY SPECIES & ROUTE
Sodium Metasilicate	1 - 5	6834-92-0	Not Available	LD50 1153mg/kg (oral/rat)
2-Butoxyethanol	1 - 5	111-76-2	TLV(ACGIH) 20 ppm (skin)	LD50 470 mg/kg (oral/rat) LC50 450 ppm/4hr (inhalation/rat)
Sodium Nitrilotriacetate	1 - 5	5064-31-3	Not Available	LD50 1500 mg/kg (oral/rat)

SECTION III – PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE

GAS LIQUID X SOLID

VAPOUR PRESSURE (mm)

Not Available

FREEZING POINT (°C)

0°C approx.

COEFFICIENT OF WATER/OIL DISTRIBUTION: Not Available

ODOUR AND APPEARANCE

Clear liquid

VAPOUR DENSITY (Air=1)

Not Available

SOLUBILITY IN WATER

Complete

ODOUR THRESHOLD

Not Available

EVAPORATION RATE

Not Available

% VOLATILE (by volume)

90% approx.

SPECIFIC GRAVITY

1.05

BOILING POINT (°C)

100°C approx.

pH

12.5

SECTION IV – FIRE AND EXPLOSION DATA

FLAMMABILITY IF YES, UNDER WHAT CONDITIONS

YES NO X

MEANS OF EXTINCTION: As for surrounding fire.

SPECIAL PROCEDURES: Wear self- contained breathing apparatus and protective clothing

FLASHPOINT (°C) AND METHOD: None

AUTO IGNITION TEMPERATURE (°C): Not Applicable

UPPER EXPLOSION LIMIT (% BY VOLUME): Not Applicable **LOWER EXPLOSION LIMIT (% BY VOLUME):** Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon

EXPLOSION DATA SENSITIVITY TO MECHANICAL IMPACT: Not Applicable

RATE OF BURNING

Not Applicable

EXPLOSIVE POWER

Not Applicable

SENSITIVITY TO STATIC DISCHARGE

Not Applicable

SECTION V – REACTIVITY DATA

CHEMICAL STABILITY IF NO, UNDER WHAT CONDITIONS?

YES X NO

INCOMPATIBILITY TO OTHER SUBSTANCES IF SO, WHICH ONES?

YES NO X

REACTIVITY AND UNDER WHAT CONDITIONS: Not dangerously reactive

HAZARDOUS DECOMPOSITION PRODUCTS: Not Applicable

MATERIAL NAME: 402 PLUS

SECTION VI – TOXICOLOGICAL PROPERTIES OF PRODUCT

ROUTE OF ENTRY

SKIN CONTACT:	X	SKIN ABSORPTION:	X	EYE CONTACT:	X
INHALATION ACUTE:	X	INHALATION CHRONIC:	X	INGESTION:	X

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

EYE: May cause irritation. May cause temporary or permanent damage if not treated promptly.
SKIN: May cause irritation. May be absorbed through skin.
INHALATION: Excessive exposure may cause irritation to the lungs.
INGESTION: May cause irritation to digestive tract.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: Animals receiving repeated doses of concentrated Butoxyethanol develops hemolytic anemia and secondary injury to the kidney and liver. Long term studies by different bodies with rodents using high doses levels of NTA and its salts resulted in kidney damage with an increase in benign and malignant urinary tumours.

LD50 OF PRODUCT (SPECIFY SPECIES & ROUTE)	IRRITANCY OF PRODUCT	EXPOSURE LIMITS OF PRODUCT
Not Available	Slight	Not Available
LC50 OF PRODUCT (SPECIFY SPECIES)	SENSITIZATION TO PRODUCT	SYNERGISTIC MATERIALS
Not Available	Not Applicable	Not Applicable
CARCINOGENICITY	REPRODUCTIVE EFFECTS	TERATOGENICITY
Not Available	Not Available	Not Available
		MUTAGENICITY
		Not Available

SECTION VII – PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

GLOVES	RESPIRATORY (SPECIFY)	EYE (SPECIFY)
Rubber	None under adequate ventilation	Safety Glasses
FOOTWEAR (SPECIFY)	CLOTHING (SPECIFY)	OTHER (SPECIFY)
Not Applicable	Not Applicable	Not Applicable

ENGINEERING CONTROLS (E.G. VENTILATION, ENCLOSED PROCESS, (SPECIFY): Local ventilation

LEAK AND SPILL PROCEDURE: Mop up or soak up with material.
Flush spill area with water.

WASTE DISPOSAL: Dispose of according to local, provincial, and federal regulations.

HANDLING PROCEDURES & EQUIPMENT: Avoid eye and skin contact.

STORAGE REQUIREMENTS: Store in a cool, dry, well ventilated place in a closed container.

SPECIAL SHIPPING INFORMATION: Keep from freezing.

SECTION VIII – FIRST AID PROCEDURES

SKIN: Flush with soap and water.
EYE: Immediately flush eyes with water for at least 15 minutes. Seek medical attention if irritation persists.
INHALATION: Remove patient to fresh air.
INGESTION: DO NOT induce vomiting. Seek medical attention.
GENERAL ADVICE: None

SECTION IX – PREPARATION DATE OF MSDS

ADDITIONAL INFORMATION/COMMENTS: None

SOURCES USED: Supplier MSDS

PREPARED BY: CP INDUSTRIES LTD. **PHONE NUMBER:** (519) 843-6300 **DATE:** MARCH 24, 2004
DEVELOPMENT DEPT.
INSTITUTIONAL DIVISION