

SECTION I - PRODUCT IDENTIFICATION AND USE

PRODUCT NAME: TCI 711 H.D.
PRODUCT USE: SAFE BRUSHLESS VEHICLE WASH
 WHITE POWDER CONCENTRATE

EMERGENCY PHONE #: (519) 454-4370

MANUFACTURER'S NAME AND ADDRESS:

TETRA-CHEM INDUSTRIES LTD.

71 JOHN ST. E., BRIGHT ON CA N0J 1B0

PHONE # (519) 454-4370 - FAX # (519) 454-4362

SUPPLIER'S NAME:

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	% BY WEIGHT
a) SODIUM METASILICATE	6843-92-0	7-13
b) SODIUM CARBONATE	497-19-8	10-30
(SPECIES-ROUTE) LD ₅₀		LC ₅₀
a) (RAT- oral): 1.3 g/kg		
b) (MOUSE - intraperitoneal): 117mg/kg (MOUSE - inhalation): 1.2g/m ³ /2H		

SECTION III - PHYSICAL DATA

PHYSICAL STATE: SOLID ☒ LIQUID ☐ GAS ☐

ODOR AND APPEARANCE: PLEASANT MILD ODOR, WHITE POWDER.

BOILING POINT: N.A.P. **FREEZING POINT:** N.A.V.

DENSITY (g/ml): N.A.V.

pH: 11 (1% AQUEOUS SOLUTION)

% VOLATILE: N.A.P.

SPECIFIC GRAVITY (WATER=1): N.A.P.

ODOR THRESHOLD (ppm): N.A.V.

VAPOR PRESSURE (mm Hg): N.A.P.

VAPOR DENSITY (AIR=1): N.A.P.

OIL / WATER DISTRIBUTION COEFF: N.A.V.

SOLUBILITY IN WATER: 100 %

EVAPORATION RATE (n-BUTYL ACETATE=1): N.A.V.

SECTION IV - FIRE AND EXPLOSION HAZARD

FLAMMABILITY: YES ☐ NO ☒

UNDER WHAT CONDITIONS:

TDG FLAMMABILITY CLASSIFICATION: N.A.P.

AUTO-IGNITION TEMPERATURE: N.A.P.

FLASH POINT: N.A.P.

METHOD USED: .

FLAMMABLE LIMITS: LOWER EXPLOSION LIMIT (% BY VOLUME): N.A.P.

UPPER EXPLOSION LIMIT (% BY VOLUME): N.A.P.

MEANS OF EXTINCTION:

WATER ☐ **CO₂** ☐ **DRY CHEMICAL** ☐ **OTHER** ☐

UNUSUAL FIRE AND EXPLOSION HAZARDS / REMARKS:

USE AN APPROPRIATE MEANS OF EXTINCTION FOR SURROUNDING FIRE.

HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON

EXPLOSION DATA: SENSITIVITY TO MECHANICAL IMPACT: NONE

SENSITIVITY TO STATIC DISCHARGE: NONE

SECTION V - REACTIVITY DATA

STABILITY: UNSTABLE ☐ STABLE ☒
INCOMPATIBILITY TO OTHER SUBSTANCES: ACIDIC MATERIALS
CONDITIONS OF REACTIVITY: MIXING
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON

SECTION VI - TOXICOLOGICAL PROPERTIES

WHMIS: MATERIAL CAUSING OTHER TOXIC EFFECTS (D2)

POTENTIAL HEALTH HAZARDS

ROUTE(S) OF ENTRY:

SKIN (ABSORPTION): NO **(CONTACT):** YES **INGESTION:** YES

INHALATION (ACUTE): YES **(CHRONIC):** YES **EYE:** YES

CHEMICAL	ACGIH TLV	OSHA PEL
a.	N.A.V.	1 ppm (TWA)
b.	N.A.V.	N.A.V.

EFFECTS OF ACUTE EXPOSURE TO PRODUCT:

EYE CONTACT: MAY CAUSE PAIN, AND SEVERE EYE IRRITATION.

SKIN CONTACT: CORROSIVE, MAY CAUSE SKIN IRRITATION AND DRYING.

INHALATION: MAY IRRITATE NOSE, THROAT AND LUNGS.

INGESTION: MAY CAUSE GASTROINTESTINAL IRRITATION AND MODERATE BURNS TO THE MOUTH AND THROAT.

CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY: NO REPORTED EFFECTS ON HUMANS UNDER NORMAL CONDITIONS OF USE.

TARGET ORGANS: N. AV.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

N.A.V.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: DIRECT CONTACT AND PROLONGED EXPOSURE MAY LEAD TO DRY SKIN AND DERMATITIS.

SECTION VII - PREVENTIVE MEASURES

RESPIRATORY PROTECTION AND TYPE: NONE REQUIRED

ENGINEERING CONTROLS: NORMAL VENTILATION UNDER ALL CONDITIONS.

PROTECTIVE GLOVES: RUBBER GLOVES FOR HANDLING CONCENTRATE.

EYE PROTECTION: SAFETY GOGGLES **FOOT WEAR:** SAFETY SHOES

OTHER SPECIFIC CLOTHING OR EQUIPMENT REQUIRED: EYE BATH STATION

LEAK AND SPILL PROCEDURE: FLUSH WITH WATER INTO SANITARY SEWER.

FOR LARGE SPILLS, DIKE AND PUMP INTO DOT APPROVED CONTAINERS.

WASTE DISPOSAL:

THE CLEANING PROCESS MAY GENERATE A HAZARDOUS INDUSTRIAL WASTE. COMPLY WITH CANADIAN MINISTRY OF THE ENVIRONMENT & ENERGY REGULATION 347 AND LOCAL MUNICIPAL BY-LAWS.

COMPLY WITH U.S.A. EPA'S FEDERAL, STATE & LOCAL REGULATIONS.

TETRA-CHEM IND. LTD. IS LICENSED BY THE MOEE FOR WASTE MANAGEMENT.

ONTARIO CERTIFICATE OF APPROVAL # A 800506.

HANDLING PROCEDURES AND EQUIPMENT: ALKALINE SAFETY REGULATIONS

STORAGE REQUIREMENTS: DRY INSIDE STORAGE, KEEP LID CLOSED, KEEP

FROM FREEZING. SPECIAL SHIPPING INFORMATION: EXEMPT UNDER TDG'S ACT.

SECTION VIII - FIRST AID MEASURES

EYE CONTACT: FLUSH EYES WITH WATER FOR 15 MINUTES. TURN BACK

EYE LIDS. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

INHALATION: MOVE PATIENT TO FRESH AIR. IF BREATHING HAS STOPPED,

OR IS LABORED, GIVE OXYGEN OR ARTIFICIAL RESPIRATION.

GET MEDICAL ATTENTION.

SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. FLUSH AREA WITH WATER

OR VINEGAR FOR 15 MIN. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

INGESTION: DO NOT INDUCE VOMITING. ONLY IF CONSCIOUS, GIVE LARGE

AMOUNTS OF MILK, WATER OR DILUTE VINEGAR. KEEP PATIENT CALM.

CALL PHYSICIAN.

SECTION IX - PREPARATION DATA

PREPARED BY: HEALTH AND SAFETY COMMITTEE

DATE: 06 JAN 2014

CONTACT: AL STRUTHMANN (Hon. BSc.)

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NOTE: N. AP. = NOT APPLICABLE N. AV. = NOT AVAILABLE

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