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TETRA-CHEM INTERNATIONAL INC.

71 JOHN ST. E., BRIGHT, ON CANADA N0J 1B0
TOLL FREE: 1-888-658-5515

WEB SITE ADDRESS: www.tetra-chem.com

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Chem Wash
HYDROTEK TCI APPLIED SCIENCE

SPECIALTY CHEMISTRY INNOVATIVE ENGINEERING
APPLICATION TECHNOLOGY WASTE MANAGEMENT SYSTEMS

2012 EDWARDS
WICHITA, KS 67213 USA



email: info@tetra-chem.com



RE-ORDER: 316-744-SOAP

PRODUCT APPLICATION PRESENTATION

PRODUCT IDENTIFIER:

PROCESS IDENTIFIER:

PRODUCT PRESENTATION:

TCI 747 H.D. BULK TANK TRAILER STAINLESS STEEL CLEANER is a ready to use, clear, biodegradable, heavy duty liquid formulation that combines the cleaning ability of powerful detergents, anti-soil redeposition agents and the grease cutting action of a solvent in an alkaline medium. Designed with phosphate free chemistry. Effective on SS or INOX surfaces when used according to directions. It is designed for the retention and restoration of high optical reflectivity and passivation of STAINLESS STEEL and INOX metal surfaces.

T C I 7 4 7 H . D .TM BULK TANK TRAILER STAINLESS STEEL CLEANER

PROCESS PRESENTATION:

TCI 747 H.D. is designed for TANKER TRAILER washing and applied only with a **MANUFACTURER'S** approved **"CHEMICAL APPLICATOR SYSTEM"** (SEE BROCHURE) and sprayed as a light mist directly from the holding tank onto the dirty surfaces to be cleaned.

TCI 747 H.D. is ideal for removing heavy encrustations of bugs and road film, lime dust & oxides from all surfaces sensitive to acid type cleaning solutions, oil & grease including mud and grime. The chemical solution rinses freely and is thus harmless to paint over time. This formulation improves light reflectivity by leaving a streak and spot free sheen behind.

PROCESS SPECIFICITY:

Use only manufacturer's approved applicator system. Spray an even thin film over the entire tanker using approximately 8 litres. Allow the solution to soak for at least 20-30 minutes before rinsing with cold water.

NOTE

DO NOT USE HOT WATER

The process can be implemented for cleaning all types of painted surfaces, chrome, stainless steel or INOX where daily or weekly maintenance will not tarnish or dull wheels, fuel tanks, bodies, or other truck accessories. Enormous time and labor savings are realized when the surface is rinsed with cold water at 4 gpm and 2000 - 3000 psi.

PRODUCT SAFETY:

According to **GOVERNMENT SAFETY REGULATIONS** the **USER** must read the **MATERIAL SAFETY DATA SHEETS** **BEFORE** engaging to use or directing others to use a **CHEMICAL PRODUCT**. Contains mild alkalies and biodegradable surfactants. Do not take internally. If splashed on skin, flush thoroughly with water. Avoid prolonged skin contact. If splashed in eyes, flush thoroughly with water and call physician immediately. Keep out of reach of children.



PACKAGING

005, 055, 330 USgal

**FOR INDUSTRIAL AND
INSTITUTIONAL USE
ONLY**

PLEASE CALL OUR **TECHNICAL SUPPORT LINE @ 1-888-658-5515** FOR SOLUTIONS TO YOUR INDUSTRY.
CONSULT SERVICE REPRESENTATIVE FOR SAFE AND EFFICIENT APPLICATION

THE INFORMATION GIVEN HEREIN IS GIVEN IN GOOD FAITH BUT NO WARRANTY, EXPRESSED OR IMPLIED IS MADE

SECTION I - PRODUCT IDENTIFICATION AND USE

PRODUCT NAME: T C I 7 4 7 H. D.
PRODUCT USE: BULK TANK TRAILER STAINLESS STEEL and INOX CLEANER (READY TO USE)
EMERGENCY PHONE #: (519) 454-4370
MANUFACTURER'S NAME AND ADDRESS:
TETRA-CHEM INTERNATIONAL INC.
 71 JOHN ST. E., BRIGHT ON CA N0J 1B0
TEL: (519) 454-4370 - **FAX:** (519) 454-4362
SUPPLIER'S NAME: CHEM WASH
 2012 EDWARDS
 WICHITA, KS 67213 **TEL:** (316) 744-7627

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	% BY WEIGHT
NO HAZARDOUS INGREDIENTS		
(SPECIES - ROUTE)	LD ₅₀	LC ₅₀

SECTION III - PHYSICAL DATA

PHYSICAL STATE: SOLID ☐ LIQUID ☒ GAS ☐
ODOR AND APPEARANCE: PLEASANT ODOR, CLEAR LIQUID.
BOILING POINT: 100 °C or 212 °F
FREEZING POINT: N.AV.
DENSITY (g/ml): 1.05
pH: 11
% VOLATILE: > 60
SPECIFIC GRAVITY (WATER=1): 1.05
ODOR THRESHOLD: N.AV.
VAPOR PRESSURE (mm Hg): N.AV.
VAPOR DENSITY (AIR=1): N.AV.
OIL / WATER DISTRIBUTION COEFF: N.AV.
SOLUBILITY IN WATER: 100 %
EVAPORATION RATE (n-BUTYL ACETATE=1): N.AV.

SECTION IV - FIRE AND EXPLOSION HAZARD

FLAMMABILITY: YES ☐ NO ☒
UNDER WHAT CONDITIONS:
TDG FLAMMABILITY CLASSIFICATION: N.AP.
AUTO-IGNITION TEMPERATURE: N.AP.
FLASH POINT: N.AP. **METHOD USED:** .
FLAMMABLE LIMITS: LEL (% BY VOLUME): N.AP.
 UEL (% BY VOLUME): N.AP.
TDG FLAMMABILITY CLASSIFICATION:
MEANS OF EXTINCTION:
 WATER ☐ CO₂ ☐ DRY CHEMICAL ☐ OTHER ☐
UNUSUAL FIRE AND EXPLOSION HAZARDS / REMARKS:
 USE AN APPROPRIATE MEAN OF EXTINCTION FOR SURROUNDING FIRE.
HAZARDOUS COMBUSTION PRODUCTS: NONE
EXPLOSION DATA: SENSITIVITY TO MECHANICAL IMPACT: NONE
 SENSITIVITY TO STATIC DISCHARGE: NONE

SECTION V - REACTIVITY DATA

STABILITY: UNSTABLE ☐ STABLE ☒
INCOMPATIBILITY OF OTHER SUBSTANCES:
 STRONG OXIDIZING AGENTS AND ACIDIC MATERIALS.
CONDITIONS OF REACTIVITY: MIXING
HAZARDOUS DECOMPOSITION PRODUCTS:
 OXIDES OF CARBON, NITROGEN, AND PRODUCTS OF INCOMPLETE COMBUSTION.

SECTION VI - TOXICOLOGICAL PROPERTIES

WHMIS: MATERIAL CAUSING OTHER TOXIC EFFECTS (D2)
POTENTIAL HEALTH HAZARDS
ROUTE(S) OF ENTRY:
SKIN (CONTACT): NO **(ABSORPTION):** NO **INGESTION:** YES
INHALATION (ACUTE): NO **(CHRONIC):** NO **EYE:** NO
INGREDIENTS **ACGIH TLV** **OSHA PEL**
EFFECTS OF ACUTE EXPOSURE TO PRODUCT:
EYE CONTACT: MAY CAUSE PAIN, AND EYE IRRITATION.
SKIN CONTACT: MAY CAUSE SKIN IRRITATION.
INHALATION: MAY IRRITATE NOSE, THROAT AND LUNGS.
INGESTION: MAY CAUSE MOUTH, THROAT AND GASTROINTESTINAL IRRITATION, LARGE DOSES MAY CAUSE MUSCLE PARALYSIS.
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: N.AV.
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.AV.
SENSITIZATION TO PRODUCT: NONE
SYNERGISTIC PRODUCTS: NONE

SECTION VII - PREVENTIVE MEASURES

RESPIRATORY PROTECTION AND TYPE: NONE REQUIRED
ENGINEERING CONTROLS: NORMAL VENTILATION UNDER NORMAL 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.
HANDLING PROCEDURES AND EQUIPMENT: ALKALI LIQUID SAFETY REGULATIONS
STORAGE REQUIREMENTS: NORMAL INDOOR, KEEP FROM FREEZING
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 USA EPA'S FEDERAL, STATE & LOCAL REGULATIONS.

SPECIAL SHIPPING INFORMATION: NONE

SECTION VIII - FIRST AID MEASURES

EYE CONTACT: FLUSH EYES WITH WATER OR SALINE SOLUTION FOR 15 MINUTES.
 TURN BACK EYE LIDS. GET MEDICAL ATTENTION.
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 A MILD ACID SOLUTION ie VINEGAR FOR 15 MINUTES. GET MEDICAL ATTENTION.
INGESTION: DO NOT INDUCE VOMITING. ONLY IF CONSCIOUS, GIVE LARGE
 AMOUNTS OF MILK OR WATER. KEEP PATIENT CALM. CALL PHYSICIAN IMMEDIATELY.

SECTION IX - PREPARATION DATA

PREPARED BY: HEALTH AND SAFETY COMMITTEE **DATE:** 02 APR 2009
CONTACT: AL STRUTHMANN (Hon. BSc.) **TEL:** (519) 454-4370
CANADA & USA TOLL FREE 1-888-658-5515 **FAX:** (519) 454-4362

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

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