

VALCO CINCINNATI CONSUMER PRODUCTS INC.
MATERIAL SAFETY DATA SHEET
ADDRESS: 411 CIRCLE FREEWAY DRIVE, CINCINNATI, OH 45246
MATERIAL NAME: TORCO MPZ OIL ADDITIVE
PART NUMBER(S): 710XX773
EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053
PRODUCT INFORMATION NO.: (513) 874-6550
DATE ISSUED: AUGUST 2009

SECTION I – GENERAL INFORMATION

MANUFACTURER'S NAME: TORCO INTERNATIONAL CORP.
TRADE NAMES & SYNONYMS: TORCO MPZ MAGNETIC FRICTION REDUCER
DOT HAZARD CLASSIFICATIONS AS FOLLOWS:
OIL, PETROLEUM, N.O.S.
(NOT REGULATED)
UN 1270
NOT HAZARDOUS
AIR SHIPPING INFORMATION:
NFPA CLASS III B MATERIAL-COMBUSTIBLE LIQUID
CHEMICAL FAMILY: HYDROCARBON DISTILLATE MIXTURE, OIL

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS

(SPECIFIC CHEMICAL IDENTITY - COMMON NAME(S)):

	CAS NUMBER	PEL/TWA	%
SYNTHETIC HYDROCARBONS ADDITIVES (2)	68037-01-4, 64741-97-5	5mg/m3 STEL: 10mg/m3 5mg/m3	20-60 5-20
MOLYBDENUM COMPOUNDS	71342-89-7	STEL: 10mg/m3	5-20
PHOSPHORUS COMPOUNDS	N/A "MIXTURE"		5-20

HAZARDOUS INFORMATION: HIGHLY REFINED PETROLEUM OIL AND OTHER PETROLEUM HYDROCARBONS, BY DEFINITION ARE CONSIDERED HAZARDOUS ACCORDING TO OSHA, 29 CFR 1910.12200 BECAUSE THEY CARRY THE THRESHOLD LIMIT VALUE (TLV) FOR MINERAL OIL MIST.

- (1) **POLYMERS:** TRACE AMOUNTS OF OLEFIN, METHACRYLATE OR ETHYLENE-PROPOLINE POLYMERS
- (2) **MULTI-FUNCTIONAL ADDITIVE:** MIXTURE OF ANTI FOAM ADDITIVES, DISPERSANTS, CORROSION INHIBITORS POUR POINT DEPRESSANTS, RUSH INHIBITORS, VISCOSITY INDEX IMPROVERS, COMPOSED OF VARIOUS ORGANO-METALLIC COMPOUNDS, TYPICALLY CONTAINING ZINC DIALKYL DITHIOPHOSPHATE (CAS 6849-42-3), CALCIUM SALTS AND OTHER TRACE ELEMENTS.

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: NDA
SOLUBILITY IN WATER: NO/NIL
FLASH POINT: 300° (F) C.O.C (TYPICAL)
SPECIFIC GRAVITY: (WATER=1) 0.9365
EVAPORATION RATE: SLOWER THAN ETHER
APPEARANCE AND ODOR:
FORM-LIQUID **COLOR-GOLDEN BROWN** **ODOR-MILD**
VAPOR DENSITY (AIR = 1): HEAVIER THAN AIR
% VOLATILE BY VOLUME: <1%-NIL
PH: N/A

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

NFPA (CODES 0=MINIMAL; 1=SLIGHT; 2=MODERATE; 3=SERIOUS; 4=SEVERE)
NFPA=FIRE-1/HEALTH-1/REACTIVITY-0/SPECIFIC HAZARD-0
FIRE POINT: 325°F (TYPICAL)
FLAMMABLE LIMITS: 1-7% BY VOLUME IN AIR **EXPLOSIVE LIMITS:** LOWER 1.0% UPPER 7% BY VOLUME IN AIR
STABILITY: STABLE **HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

EXTINGUISHING MEDIA: WATER, FOG, CO2 DRY CHEMICAL, FOAM, EARTH OR SAND.
UNUSUAL FIRE HAZARDS: DO NOT USE A DIRECT STREAM OF WATER FOR FIGHTING FIRES, PRODUCT IS LIGHTER THAN WATER AND WILL FLOAT. HEATED VAPORS/FUMES MAY IGNITE.
SPECIAL FIRE FIGHTING PROCEDURES: FOAM MAY BE USED TO SUPPRESS FUMES AND VAPORS. FIRE FIGHTERS SHOULD USE NIOSH APPROVED POSITIVE AIR BREATHING APPARATUS (SCBA) IF FIGHTING FIRES IN A CONFINED SPACE. CONTAINERS EXPOSED TO EXTREME HEAT MAY RUPTURE. KEEP CONTAINERS COOL WITH WATER FOG.
COMBUSTION OR DECOMPOSITION PRODUCTS: CARBON MONOXIDE AND HYDROCARBON COMPOUNDS MAY BE FORMED DURING COMBUSTION.

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SECTION VI – HEALTH HAZARD DATA

ROUTES OF ENTRY: EYES, SKIN, INGESTION, INHALATION

EYES: NOT EXPECTED TO CAUSE PROLONGED OR SIGNIFICANT EYE IRRITATION. MINIMAL HAZARD. MAY CAUSE REDNESS OR TEARING.

SKIN: NOT EXPECTED TO CAUSE PROLONGED OR SIGNIFICANT SKIN IRRITATION. CHAPPING MAY OCCUR.

INGESTION: LOW ORDER OF TOXICITY, BUT MAY CAUSE GASTROINTESTINAL NAUSEA AND GENERAL DISTRESS, DIARRHEA. INGESTION OF LARGE AMOUNTS MAY CAUSE HEADACHE, NAUSEA, AND DROWSINESS.

INHALATION: HARMFUL CONCENTRATION OF MIST/VAPORS ARE UNLIKELY THROUGH CUSTOMARY HANDLING OR USE OF PRODUCT.

SIGNS & SYMPTOMS OF EXPOSURE: SKIN CHAPPED & RED, EYES MAY BECOME RED AND TEAR, HEADACHE, NAUSEA.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: PRE-EXISTING DERMAL CONDITIONS.

OTHER: NONE

SECTION VII – FIRST AID MEASURES HEALTH & SAFETY INFORMATION

EMERGENCY AND FIRST AID PROCEDURES:

EYES: FLUSH EYES WITH WATER FOR 15 MINUTES. MAY CAUSE REDNESS OR IRRITATION.

SKIN: FLUSH WITH SOAP AND WATER CONTAMINATED CLOTHING-REMOVE AND LAUNDRER.

INGESTION: GIVE PLENTY OF WATER OR MILD FLUIDS, AND CALL PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING. IF VOMITING OCCURS, PLACE HEAD LOWER THAN HIPS, KEEP FLUID FROM ENTERING LUNGS. ASPIRATION INTO LUNGS SHOULD BE AVOIDED. ASPIRATION HAZARD: YES-KEEP PRODUCTS FROM ENTERING LUNGS.

INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION AND OXYGEN.

SECTION VIII – PRECAUTIONS FOR SAFE HANDLING AND USE AND CONTROL MEASURES

SPILL OR LEAK:

GENERAL: ABSORB WITH SAND OR INERT MATERIAL, SWEEP OR SCOOP UP AND REMOVE SMALL QUANTITIES. PREVENT SPREAD OF LIQUID PRODUCT (IF ANY). CONTAIN WITH ABSORBENT MATERIALS. CLEAN PAVED AREAS WITH SOAP & WATER, RECYCLING OF WASH WATER IS RECOMMENDED WITH OTHER WATER BASED INDUSTRIAL FLUIDS.

SMALL SPILLS: CLEAN UP SMALL SPILLS WITH ABSORBENT MATERIAL. WASH OR MOP AREA WITH SOAP & WATER. DO NOT WASH VISIBLE LIQUID TO DRAIN.

LARGE SPILLS: ELIMINATE ALL IGNITION SOURCES. PRODUCT WILL FLOAT ON WATER. CONTAIN LIQUID WITH ABSORBENT MATERIAL. STOP LEAK SOURCE IF SAFE. ABSORB ANY LIQUID WITH ABSORBENT MATERIAL, KEEP PRODUCT FROM ENTERING WATERWAYS AND SEWERS. CONTACT AUTHORITIES AS REQUIRED, THAT A SPILL HAS OCCURRED.

WASTE DISPOSAL METHODS: DISPOSE OF CONTAMINATED ABSORBENT MATERIAL IN ACCORDANCE WITH ALL FEDERAL, STATE, & REGIONAL REQUIREMENTS

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SECTION VIII – PRECAUTIONS FOR SAFE HANDLING AND USE AND CONTROL MEASURES (CONT)

HANDLING & STORAGE:

WORK/HYGIENIC PRACTICES:

WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT. PRODUCT ABSORBS INTO ORGANIC MATERIAL SUCH AS COTTON OR LEATHER, DESTROY SATURATED SHOES & GLOVES.

INDUSTRIAL WORKPLACE/HYGIENIC PRACTICES:

THOROUGHLY WASH ALL CONTAMINATED CLOTHING BEFORE REUSE. LONG SLEEVE SHIRT RECOMMENDED. SAFETY GLASSES, FACE SHIELD, LATEX GLOVES & APRON RECOMMENDED IF CLEANING UP LARGE SPILLS. RUBBER BOOTS SHOULD BE WORN IF STANDING IN SOLUTION. LIMIT SKIN CONTACT. DESTROY SATURATED SHOES AND GLOVES.

OTHER PRECAUTIONS:

WARNING: AVOID SKIN CONTACT WITH USED MOTOR OILS. USED MOTOR OILS HAVE CAUSED CANCER IN LABORATORY ANIMALS. STORE BETWEEN 40° AND 120° DEGREES F. KEEP FROM FREEZING, BOTTLES MAY BECOME BRITTLE. DO NOT REUSE CONTAINERS. KEEP OUT OF REACH OF CHILDREN.

PERSONAL PROTECTION EQUIPMENT:

EYE/FACE PROTECTION: SAFETY GOGGLES OR GLASSES

SKIN PROTECTION: WEAR OIL IMPERVIOUS TYPE, SUCH AS NITRIL, NEOPRENE, OR POLYVINYLCHLORIDE(PVC) TO MINIMIZE SKIN CONTACT.

RESPIRATORY PROTECTION: NONE REQUIRED FOR NORMAL USE. IF EXPOSURE TO MIST OR VAPORS IS EXPECTED TO EXCEED OCCUPATIONAL EXPOSURE LIMITS FOR OIL MIST, USE A NIOSH APPROVED RESPIRATOR TO PREVENT OVER EXPOSURE. USE AN ATMOSPHERE SUPPLYING RESPIRATOR OR AN AIR PURIFYING RESPIRATOR FOR ORGANIC VAPORS AND PARTICULATES.

ENGINEERING CONTROLS: (LOCAL/MECHANICAL.SPECIAL) LOCAL FOR NORMAL PRODUCT USE.

DISPOSE OF WASTE PRODUCT BY RECYCLING WITH OTHER SIMILAR PETROLEUM HYDROCARBON MATERIALS. IF PRODUCT HAS BEEN SPILLED, USED, OR CONTAMINATED DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND REGIONAL GUIDELINES. DO NOT LAND FILL WITHOUT CHECKING ALL APPLICABLE REGULATIONS.

SECTION IX – REGULATORY INFORMATION

TSCA INFORMATION: ALL COMPONENTS OF THIS PRODUCT ARE LISTED.

SECTION X – DISCLAIMER

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE; OBTAINED FROM SOURCES BELIEVED BY VALCO CINCINNATI, INC. TO BE ACCURATE. SINCE THE CONDITIONS AND METHODS OF USE OF OUR PRODUCT ARE BEYOND OUR CONTROL, WE DISCLAIM ANY AND ALL LIABILITY ARISING OUT OF THE IMPROPER USE OF THIS PRODUCT OR THE INFORMATION PROVIDED HERE WITH.