

Material Safety Data Sheet

04/01/2005

TOTAL

Material Identification and Use

SUPPLIER'S NAME..... DIAMOND CHEMICAL CO., INC.
SUPPLIER'S ADDRESS..... UNION AVE & DUBOIS ST., EAST RUTHERFORD N.J.
07073
EMERGENCY PHONE NUMBER..... 1-800-535-5053 - INFOTRAC
SUPPLIER'S PHONE..... 201-935-4300
COMMON NAME (LABELS ONLY)..... TOTAL
PRODUCT IDENTIFIER..... TOTAL
FORMULA..... NA
CHEMICAL FAMILY..... LAUNDRY DETERGENT

Hazardous Ingredients of Materials

Chemical Identity CAS TLV#
NONE PER 29CFR 1910.1200 NA NA

Physical Data For Product

ODOR AND APPEARANCE..... BLUE LIQUID, FLORAL ODOR
SPECIFIC GRAVITY/DENSITY (g/mL) . 0.9
VAPOR PRESSURE..... UK
VAPOR DENSITY (air=1)..... NA
EVAPORATION RATE (IN BUTYL ACETATE =1)..... NA
BOILING POINT..... 212 DEGREES F
FLAMMABLE LIMITS IN AIR=% VOLUME NA
VOLATILITY/VOL(%)..... NA
SOLUBILITY IN H2O..... COMPLETE

Fire and Explosion Hazard of Product

MEANS OF EXTINCTION..... WATER, CO2, FOAM, DRY CHEMICAL
FLASHPOINT..... UK
UPPER FLAMMABLE LIMIT(% BY VOL) . UK
LOWER FLAMMABLE LIMIT(% BY VOL) . UK
AUTO-IGNITION TEMPERATURE..... NONE
SPECIAL..... USE SELF CONTAINED BREATHING APPARATUS.
UNUSUAL FIRE FIGHTING PROCEDURES NONE

Physical Hazards

CHEMICAL STABILITY..... STABLE
STABILITY CONDITIONS TO AVOID... NONE
INCOMPATIBLE MATERIALS..... CATIONICS
REACTIVITY IN WATER..... NONE

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HAZARDOUS DECOMPOSITION PRODUCTS OXIDES OF CARBON  
 HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR  
 CONDITIONS TO AVOID..... NONE

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**Health Hazard**

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ACUTE OVER EXPOSURE EFFECTS.....	REPEATED EXPOSURE MAY CAUSE IRRITATION.
CHRONIC OVER EXPOSURE EFFECTS...	SAME AS ACUTE
MEDICAL CONDITIONS AGGREGATED BY	NO INFORMATION
EXPOSURE.....	
EXPOSURE LIMIT USED.....	NONE SET
CHEMICAL LISTED AS CARCINOGEN...	NO
IARC MONOGRAPHS?.....	NO
OSHA.....	NO
ACGIH THRESHOLD LIMIT VALUE.....	NONE SET
NATIONAL TOXICOLOGY PROGRAM.....	NO
OSHA PEL.....	NONE SET

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**Preventive Measures**

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RESPIRATORY PROTECTION.....	NONE NEEDED IN NORMAL USE
LOCAL EXHAUST.....	ADEQUATE
MECHANICAL EXHAUST.....	NONE
SPECIAL.....	NONE
OTHERS.....	NONE
PROTECTIVE GLOVES.....	RUBBER OR PLASTIC
EYE PROTECTION.....	SPLASH PROOF GOGGLES
OTHER PROTECTIVE CLOTHING OR	NONE NEEDED IN NORMAL USAGE.
EQUIPMENT.....	

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**First Aid Measures**

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EMERGENCY AND FIRST AID	INHALATION: REMOVE TO FRESH AIR. CALL A
PROCEDURES.....	PHYSICIAN. EYES: FLUSH WITH WATER FOR 15
	MINUTES. CALL A PHYSICIAN. SKIN: WASH WITH
	WATER. INGESTION: DO NOT INDUCE VOMITING.
	DRINK LARGE QUANTITIES OF WATER. CALL A
	PHYSICIAN.

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**Special Precautions and Spill and Leak Procedures**

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HANDLING PROCEDURES AND	STORE IN COOL DRY PLACE,
EQUIPMENT.....	
OTHER PRECAUTIONS.....	NONE
STEP TO BE TAKEN IN CASE OF	USE ABSORBANT ON EXCESS. SWEEP UP ABSORBANT AND
SPILL.....	PLACE INTO CLOSED CONTAINER. FLUSH AREA WITH
	WATER.
WASTE DISPOSAL METHODS.....	FOLLOW ALL FEDERAL, STATE AND LOCAL REGULATIONS
	REGARDING DISPOSAL.