

MATERIAL SAFETY DATA SHEET

Westco Chemicals, Inc.  
11312 Hartland Street  
North Hollywood, California 91605  
(213) 877-0077  
(818) 980-1152

EMERGENCY CONTACT :  
CALL CHEMTREC : DAY OR NIGHT  
(800)424-9300

SUBSTANCE IDENTIFICATION

CAS NO ----- 513-77-9  
SUBSTANCE ----- BARIUM CARBONATE  
TRADE NAMES/SYNONYMS----- NK  
CHEMICAL FAMILY----- BARIUM SALTS  
MOLECULAR FORMULA----- Ba CO3  
HMIS  
HEALTH----- 1  
FLAMMABILITY----- 0  
REACTIVITY----- 0  
PERSONAL PROTECTION----- E  
MOLECULAR WT----- 197.34

SECTION 313 SUPPLIER NOTIFICATION

THIS PRODUCT IS LISTED AS A TOXIC CHEMICAL SUBJECT TO THE REPORTING REQUIRE-  
MENT OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW  
ACT OF 1986 AND OF 40 CFR 372.

CAS NO. CHEMICAL NAME PERCENT BY WEIGHT  
513-77-9 BARIUM CARBONATE 99.5% (70% Ba)

PHYSICAL DATA

DESCRIPTION----- WHITE CRYSTALLINE POWDER, ODORLESS  
VAPOR DENSITY ----- NA MELTING PT---1400 DEG C  
VAPOR PRESSURE----- NA DECOMPOSES  
EVAPORATION RATE ----- NA BOILING PT-----NK  
SOLUBILITY IN WATER ----- INSOLUBLE % VOLATILE----NA  
SPECIFIC GRAVITY--4.275

HOW TO DETECT THIS SUBSTANCE : CHEMICAL ANALYSIS

FIRE AND EXPLOSION DATA

FLASH POINT----- NON-COMBUSTIBLE  
FIRE EXTINGUISHING MTRLS-- WATER ETC. ON SURROUND- FLAMMABLE LIMITS-----NA  
ING SUBSTRATE  
SPECIAL FIRE FIGHTING  
PROCEDURES - AVOID INHALATION OF DUST  
UNUSUAL FIRE AND  
EXPLOSION HAZARDS-- NONE

**TRANSPORTATION DATA**

**DOT CLASSIFICATION** ----- BARIUM COMPOUNDS, NOS  
**DOT LABEL**----- Barium Carbonate, 6.1, UN1564, PGI  
**UN/NA NUMBER**----- UN1564  
**SPECIAL INSTRUCTIONS** -----

**TOXICITY**

**TOXIC BY INGESTION**  
**TOLERANCE:** 0.5 mg/cubic meter of air

**HEALTH EFFECTS AND FIRST AID****INHALATION**

**ACUTE EXPOSURE**----- IRRITATION OF RESPIRATORY TRACT  
**CHRONIC EXPOSURE**----- NK  
**FIRST AID**----- REMOVE TO FRESH AIR

**SKIN CONTACT**

**ACUTE EXPOSURE**----- IRRITATION TO SKIN  
**CHRONIC EXPOSURE**----- NK  
**FIRST AID**----- WASH WITH SOAP AND WATER

**EYE CONTACT**

**ACUTE EXPOSURE**----- IRRITATION TO EYES  
**CHRONIC EXPOSURE**----- NK  
**FIRST AID**----- FLUSH WITH WATER FOR 5 MINUTES

**INGESTION**

**ACUTE EXPOSURE**----- TOXIC. VOMITING & CONVULSIONS MAY OCCUR  
**CHRONIC EXPOSURE**----- NK  
**FIRST AID**----- GIVE SOLUTION OF SODIUM OR MAGNESIUM SULFATE  
 INDUCE VOMITING

**ANTIDOTE**----- WATER

**SUSPECTED CANCER AGENT** NO

**RECOMMENDATIONS TO A DOCTOR**

TREAT SYMPTOMATICALLY. RECOMMEND ADMINISTERING POTASSIUM SALTS & CONTROLLING HYPERTENSIONS

# REACTIVITY DATA

STABILITY----- STABLE  
INCOMPATIBILITIES----- STRONG ACIDS WILL CAUSE DECOMPOSITION  
DECOMPOSITION PRODUCTS---- BARIUM SALTS & CO2  
HAZARDOUS POLYMERIZATION- WILL NOT OCCUR  
CONDITIONS TO AVOID----- KEEP AWAY FROM FOOD STUFFS. AVOID FORMATION OF DUST

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## SPILL AND LEAK PROCEDURES

OCCUPATIONAL SPILL----- SWEEP UP AND CONTAINERIZE. AVOID DUST. NO EATING OR SMOKING IN VICINITY. MIX WASTE MATERIAL WITH SODIUM OR MAGNESIUM SULFATE.  
WASTE DISPOSAL METHODS---- REACT WITH AQUEOUS SOLUTION OF SODIUM OR MAGNESIUM SULFATE TO PRODUCE NON-HAZARDOUS INSOLUBLE, NON-TOXIC BARIUM SULFATE.  
NOTE DISPOSE OF ALL WASTES IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS .

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## SPECIAL HANDLING INFORMATION

VENTILATION----- LOCAL EXHAUST  
RESPIRATORY PROTECTION--- DUST MASK  
CLOTHING----- NORMAL  
GLOVES----- RUBBER  
EYE PROTECTION ----- SAFETY GOGGLES

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## ADDITIONAL INFORMATION

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CREATION DATE----- 5/23/90  
REVISION DATE----- 7/25/00

NA=NOT APPLICABLE      ND=NOT DETERM