

MSDS by MSDS Number

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**Univar USA
6100 Carillon Point
Kirkland WA 98033
425-889-3400**

For Emergency Assistance involving chemicals call – CHEMTREC (800) 424-9300

MSDS Number:P17590V MSDS Version:001

001 05/10/96 ACID BLEND

SECTION I PRODUCT IDENTIFICATION

PRODUCT NAME: ACID BLEND

MSDS #: P17590V

DATE ISSUED: 08/06/93

ISSUED BY: 003916

IDENTITY..... AFCO 4312 VIGILQUAT

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	OSHA PEL	ACGIH TLV	OTHER LIMITS	CAS NO.	PCT
NITRIC ACID	5 mg/m3	5mg/m3=TWA	NA	7697-37-2	28
PHOSPHORIC ACID	1MG/M3 TWA	1 MG/M3=TWA 3 MG/M3=STEL	NA	7664-38-2	13

THE SPECIFIC CHEMICAL IDENTITY OF THE NON-HAZARDOUS INGREDIENTS IN THIS PRODUCT ARE BEING WITHHELD AS A -TRADE SECRET.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT..... 228F
VAPOR PRESSURE (mm HG)..... ND
VAPOR DENSITY (AIR = 1)..... ND
SOLUBILITY IN WATER..... COMPLETE
APPEARANCE/ODOR..... CLEAR TO SLIGHTLY YELLOW LIQUID, STRONG ACID
ODOR
SPECIFIC GRAVITY (H2O = 1).. 1.24
MELTING POINT..... NA
EVAPORATION RATE..... ND

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT..... NONE
FLAMMABLE LIMITS..... NA
LOWER EXPLOSION LIMIT..... NA
UPPER EXPLOSION LIMIT..... NA
EXTINGUISHING MEDIA..... FOR FIRES IN AREA WHERE PRODUCT IS STORED,
USE WATER, DRY CHEMICAL OR SODA ASH. USE WATER SPRAY TO COOL CONTAINERS
AND REDUCE VAPORS.

SPECIAL FIRE FIGHTING PROCEDURESPROTECTIVE CLOTHING SHOULD BE WORN BY
FIREFIGHTERS IN AREAS WHERE PRODUCT IS STORED. ALSO WEAR SELF-CONTAINED
BREATHING APPARATUS WHERE POSSIBILITY OF CONTACT WITH ACIDS OR FUMES
EXISTS.

UNUSUAL FIRE AND EXPLOSION HAZARD. NITRIC ACID INCREASES FLAMMABILITY OF AND CAN IGNITE MANY ORGANIC MATERIAL SUCH AS WOOD, SOLVENTS, ETC, AND CAN RELEASE TOXIC OXIDES OF NITROGEN. THERMAL DECOMPOSITION EMITS TOXIC FUMES OF OXIDES OF PHOSPHOROUS.

SECTION V - REACTIVITY DATA

STABILITY:
STABLE

CONDITIONS TO AVOID.....UNSTABLE WITH HEAT, RELEASES TOXIC GASES.

INCOMPATIBLE MATERIALS.....STRONG ALKALIS, ALUMINUM, ZINC, MILD STEEL, COPPER CYANIDES, NITRITES, HYPOCHLORITES, CHLORINATED PRODUCTS, COMBUSTIBLE OR OXIDIZABLE MATERIAL.

DECOMPOSITION OR BYPRODUCTS..RELEASES TOXIC OXIDES OF NITROGEN AND IT FLAME TEMPERATURES, WILL EMIT TOXIC PHOSPHOROUS OXIDES.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

CONDITIONS TO AVOID.....NONE KNOWN.

SECTION VI - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY

INHALATION ?.....	YES
SKIN ?.....	YES
INGESTION ?.....	NO

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE.....CAUSES SEVERE BURNS TO ALL BODY TISSUES WITH WHICH IT COMES IN CONTACT. INHALATION IS HARMFUL AND MAY CAUSE DELAYED LUNG INJURY.

CHRONIC..... NONE KNOWN

CARCINOGENICITY

NTP ?.....	NOT LISTED
IARC MONOGRAPHS:	NOT LISTED
OSHA REGULATED ?.....	NO

SIGNS AND SYMPTOMS OF EXPOSURE....CAUSES SEVERE BURNS TO ALL BODY TISSUES. INHALATION COULD IRRITATE UPPER RESPIRATORY TRACT.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE..... DERMATITIS

EMERGENCY AND FIRST AID PROCEDURES FOR ALL SKIN AND EYE CONTACT, FLUSH CONTACT AREA WELL WITH PLENTY OF WATER FOR 15 MINUTES, THEN CONSULT PHYSICIAN IMMEDIATELY. FOR INHALATION, REMOVE TO FRESH AIR AND CONSULT PHYSICIAN.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED...EVACUATE AREA. KEEP UPWIND UNTIL GAS HAS DISPENSED. WEAR SELF-CONTAINED BREATHING APPARATUS. DIKE LARGE SPILLS. FLUSH WITH PLENTY OF WATER APPLIED TO ENTIRE SPILL AREA. WASHINGS SHOULD BE NEUTRALIZED WITH SODA ASH OR LIME BEFORE DISCHARGING TO SEWER.

WASTE DISPOSAL METHOD..... PACKAGE, STORE, TRANSPORT AND DISPOSE OF ALL PRODUCT WASTE ACCORDING TO ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS NITRIC ACID-BASED PRODUCTS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP AWAY FROM HEAT, SPARKS AND FLAME. LOOSEN CLOSURES CAREFULLY. DO NOT STORE NEAR ORGANIC OR OTHER READILY OXIDIZABLE MATERIAL, CYANIDES OR HYPOCHLORITES.

OTHER PRECAUTIONS..... ALWAYS WEAR PROTECTIVE CLOTHING DESCRIBED BELOW WHEN HANDLING PRODUCT.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE) ...IF TLV IS EXCEEDED, USE NIOSH/MESA APPROVED RESPIRATOR.

VENTILATION

LOCAL EXHAUST..... AS NEEDED TO ELIMINATE MISTS OR VAPORS.
SPECIAL..... NA
MECHANICAL..... NA
OTHER..... NA

PROTECTIVE GLOVES..... RUBBER OR NEOPRENE
EYE PROTECTION..... CHEMICAL SAFETY GOGGLES
OTHER PROTECTIVE CLOTHING AND EQUIPMENT..COVERALLS, CHEMICALLY RESISTANT SHOES, SHOWER AND EYE WASH FACILITY.
WORK HYGIENIC PRACTICES....DO NOT BREATHE VAPOR. AVOID REPEATED AND PROLONGED SKIN CONTACT. WASH THOROUGHLY AFTER HANDLING.

SARA HAZARD NOTIFICATION

SECTION 313 TOXIC CHEMICAL(S):

THIS PRODUCT IS DEFINED AS A TOXIC CHEMICAL UNDER AND SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

CHEMICALS: PHOSPHORIC ACID
NITRIC ACID

SARA TITLE III SECTION:

311/312 CLASSIFICATION: MSDS REQUIRED; INVENTORY REPORTING REQUIRED.

For Additional Information:

Contact: MSDS Coordinator – Univar USA
During business hours, Pacific Time – (425) 889-3400

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