

# MATERIAL SAFETY DATA SHEET

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## I-PRODUCT IDENTIFICATION

### DYNAMITE A

PRODUCT CODE: #087

CHEMICAL FORMULATION: NON-FLAMMABLE BRAKE & PARTS CLEANER

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: FLAMMABILITY: REACTIVITY:

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

## II - HAZARDOUS INGREDIENTS

Hazardous Components (Specific Chemical Identity; Common Name (s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits	
				Recommended	% optional
SULPHURIC ACID			1mg/M <sup>3</sup>		
SULPHURIC ACID CAUSES SEVERE BURNS - CONSULT MANUFACTURING CHEMISTS ASSOCIATED CHEMICAL SAFETY DATA SHEET SD-20					

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling Level STEL: Short Term Exposure Limit

N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No

302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).

355: SARA TITLE III/ List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).

372: SARA TITLE III/ List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

## III - PHYSICAL DATA

BOILING POINT (C/F):	MELTING POINT:
VAPOR PRESSURE (mm Hg.)Psig 0.01	SPECIFIC GRAVITY (WATER = 1): 1.835
VAPOR DENSITY (AIR = 1): N/A	VOC CONTENT (% by weight):
SOLUBILITY IN WATER: COMPLETE	EVAPORATION RATE (Water = 1): N/A
	pH:
APPEARANCE AND ODOR: LIQUID PINKISH COLOR	

## IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (F/C): N/A (TEST METHOD):  
FLAMMABLE LIMITS: UPPER: LOWER:  
EXTINGUISHING MEDIA: N/A

**SPECIAL FIRE FIGHTING PROCEDURES:** FIRE FIGHTING PERSONNEL SHOULD WEAR SELF CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN PRESSURE DEMAND. ALSO WEAR FULL BODY PROTECTION CLOTHING.

**UNUSUAL FIRE AND EXPLOSION HAZARD:** ACID REACTS WITH MOST METALS TO RELEASE HYDROGEN GAS WHICH CAN FORM EXPLOSIVE MIXTURES WITH AIR.

## V - REACTIVITY DATA

STABILITY: STABLE  
INCOMPATIBILITY: HYDROGEN IS LIBERATED BY ACTION OF ACID ON MOST METALS  
CONDITIONS TO AVOID: AVOID CONTACT WITH STRONG ALKALINES AND COMBUSTIBLE MATERIAL

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
CONDITIONS TO AVOID: N/A

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## VI - HEALTH AND HAZARD DATA

ROUTES OF ENTRY: INHALATION? SKIN? INGESTION?

HEALTH HAZARDS (ACUTE & CHRONIC):

CARCINOGENICITY? NTP? IARC MONOGRAPHS? OSHA REGULATED?

### EFFECTS OF OVEREXPOSURE

IF IN EYES:

IF ON SKIN: PRODUCES RAPID DESTRUCTION OF TISSUES AND SEVERE BURNS ON CONTACT WITH BODY TISSUE OF ANY KIND.

IF SWALLOWED:

IF INHALED: BREATHING FUMES CAN CAUSE DAMAGE TO NASAL & RESPIRATORY PASSAGE

### EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES, GET MEDICAL ATTENTION

IF ON SKIN: REMOVE CONTAMINATED CLOTHING, WASH BEFORE REUSE, FLUSH SKIN WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES, GET MEDICAL ATTENTION.

IF SWALLOWED: DO NOT INDUCE VOMITING, GIVE TAP WATER OR MILK. FOLLOW WITH MILK OF MAGNESIA.

GET MEDICAL ATTENTION IMMEDIATELY

IF INHALED:

## VII - SPILL AND LEAK PROTECTION

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** ELIMINATE ALL SOURCES OF IGNITION. WEAR WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA WELL THEN FLUSH WITH LARGE AMOUNTS OF WATER. NEUTRALIZE WITH SODIUM BICARBONATE OR SODA ASH. SCOOP UP SLURRY AND WASH AREA VERY WELL WITH WATER.

**WASTE DISPOSAL METHOD:** IN ACCORDANCE WITH GOVERNMENT REGULATIONS.

## VIII - SPECIAL PROTECTION INFORMATION

VENTILATION: Local Exhaust: N/A Mechanical (General): N/A Special: N/A  
Other: N/A

**RESPIRATORY PROTECTION:** KEEP AIR BELOW TLV

**PROTECTIVE GLOVES:** RUBBER GLOVES

**EYE PROTECTION:** CHEMICAL SPLASH GOGGLES AND FACE SHIELD

**OTHER PROTECTIVE EQUIPMENT:** CLOTHES COVERING ENTIRE BODY - RUBBER APRON AND BOOTS.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** STORE IN COOL PLACE AWAY FROM COMBUSTIBLE MATERIALS. AVOID CONTACT WITH SKIN AND EYES. TRIPLE RINSE CONTAINER BEFORE DISCARDING.

**OTHER PRECAUTIONS:** NEVER ADD WATER TO ACID. ADDITION TO WATER RELEASES HEAT WHICH CAN RESULT IN VIOLENT BOILING AND SPATTERING. ADD SLOWLY IN SMALL AMOUNTS

**WORK/HYGIENIC PRACTICES :**

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