

HEAVY DUTY DET

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PRODUCT NAME: HEAVY DUTY DET

TRADE SECRET REGISTRY #307554-5017P

HMIS CODES: H F R P

UN NUMBER : 8, UN3262, PGIII

2 0 0 E

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: PARISER INDUSTRIES

ADDRESS : 91 MICHIGAN AVENUE

PATERSON, NJ 07503

EMERGENCY PHONE : 800-424-9300

DATE PRINTED : 06/09/03

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NAME OF PREPARER : ENVIRONMENTAL

DEPARTMENT

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
SODIUM HYDROXIDE PEL=2mg/m3, CEILING TLV=2MG/M3, CEILING	1310-73-2	42mmHG1000øC	24.20
DISODIUM TRIOXOSILICATE, PENTAHYDRATE PEL=2MG/M3 TLV=2mg/m3 ceiling as NaOH	6834-92-0	N/A N/A	22.10

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

pH 1% SOLUTION : 12.9 +/- .5

BOILING RANGE: 1388øC

SPECIFIC GRAVITY (H2O=1): 1.54

VAPOR DENSITY: N/A

EVAPORATION RATE: N/A

COATING V.O.C.: NOT APPLICABLE

MATERIAL V.O.C.: NOT APPLICABLE

SOLUBILITY IN WATER: SOLUBLE

APPEARANCE AND ODOR: YELLOW POWDER/NO ODOR

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT : 460øF

METHOD USED: n/a

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: n/a

UPPER: n/a

EXTINGUISHING MEDIA: N/A

SPECIAL FIREFIGHTING PROCEDURES

SELF-CONTAINED POSITIVE PRESSURE BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD BE WORN. WATER SPRAY MAY BE USED TO CONTROL DUST.

UNUSUAL FIRE AND EXPLOSION HAZARDS

NOT CONSIDERED TO BE AN EXPLOSION HAZARD.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID

THIS MATERIAL, UPON CONTACT WITH CERTAIN PRODUCTS OR THIER RESIDUES WHICH CONTAIN REDUCING SUGARS, MAY REACT TO FORM DEADLY CARBON MONOXIDE.

INCOMPATIBILITY (MATERIALS TO AVOID)

IN AQUEOUS SOLUTIONS, THIS MATERIAL MAY REACT WITH ALUMINUM, GALAVANIZED IRON AND ZINC, AND MAY GENERATE FLAMMABLE HYDROGEN GAS AS A RESULT OF THIS ACTION.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS
WILL NOT DECOMPOSE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
MAY RESULT IN IRRITATION OF THE EYES AND RESPIRATORY TRACT

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE
MAY AGGRAVATE EXISTING SKIN AND/OR EYE CONDITIONS ON CONTACT. MAY AGGRAVATE
EXISTING SKIN AND OR EYE CONDITIONS ON CONTACT. CAUSES SEVERE EYE AND SKIN
DAMAGE.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
N/A

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
MAY RESULT IN IRRITATION OF THE RESPIRATORY TRACT.

HEALTH HAZARDS (ACUTE AND CHRONIC)
SEE ABOVE

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
MAY AGGRAVATE EXISTING SKIN AND/OR EYE CONDITIONS ON CONTACT.

EMERGENCY AND FIRST AID PROCEDURES

EYES: IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES HOLDING EYELIDS
APART TO ENSURE FLUSHING OF THE ENTIRE SURFACE OF THE EYE. WASHING EYES WITHIN
1 MINUTE IS ESSENTIAL TO ACHIEVE MAXIMUM EFFECTIVENESS. SEEK MEDICAL ATTENTION
IMMEDIATELY.

INGESTION: DO NOT INDUCE VOMITING. IMMEDIATELY GIVE LARGE QUANTITIES OF WATER.
IF VOMITING DOES OCCUR, GIVE FLUIDS AGAIN. NEVER GIVE ANYTHING BY MOUTH TO AN
UNCONSCIOUS PERSON. CALL A PHYSICIAN OR THE NEAREST POISON CONTROL CENTER
IMMEDIATELY.

INHALATION: IF SYMPTOMS ARE PRESENT GET PERSON OUT OF AREA TO FRESH AIR. SEEK
MEDICAL ATTENTION.

SKIN: IMMEDIATELY WASH WITH WATER FOR AT LEAST 15 MINUTES. REMOVE SOILED
CLOTHING AND FOOTWEAR. WASH CLOTHING BEFORE REUSE AND DISCARD FOOTWEAR WHICH
CANNOT BE CLEANED. SEEK MEDICAL ATTENTION IMMEDIATELY.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

CLEANUP PERSONNEL MUST WEAR PROPER PROTECTIVE EQUIPMENT. IF MATERIAL IS SPILLED,
STEPS SHOULD BE TAKEN TO PREVENT DISCHARGES TO STREAMS OR SEWER SYSTEMS. SPILLS
OR RELEASES SHOULD BE REPORTED, IF REQUIRED, TO THE APPROPRIATE LOCAL, STATE AND
FEDERAL REGULATORY AGENCIES.

WASTE DISPOSAL METHOD

IF MATERIAL CANNOT BE SALVAGED, THE PREFERRED METHOD OF DISPOSAL IS IN A SECURE
CHEMICAL LANDFILL IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL ENVIRONMENTAL
REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

DO NOT HANDLE UNLESS THE SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.
AVOID EYE AND SKIN CONTACT. AVOID INHALATION OF DUST OR VAPORS. DO NOT
PUNCTURE, DRAG OR SLIDE CONTAINERS. DO NOT SMOKE IN ANY CHEMICAL HANDLING OR
STORAGE AREA. WASH HANDS BEFORE EATING.
STORE IN A COOL, DRY AND WELL-VENTILATED LOCATION. PROTECT FROM HUMIDITY. KEEP

CONTAINERS TIGHTLY CLOSED. STORE AWAY FROM INCOMPATIBLE MATERIALS.

OTHER PRECAUTIONS

N/A

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

NIOSH/MSHA APPROVED RESPIRATOR FOR PARTICULATES. LOCAL EXHAUST, VENTILATE AS REQUIRED.

VENTILATION

GENERAL MECHANICAL VENTILATION OR LOCAL EXHAUST SHOULD BE SUITABLE TO KEEP VAPOR CONCENTRATIONS BELOW TLV. VENTILATION EQUIPMENT SHOULD BE EXPLOSION PROOF.

PROTECTIVE GLOVES

NEOPRENE GLOVES SHOULD BE WORN. GLOVES MAY BE DECONTAMINATED BY WASHING WITH MILD SOAP AND WATER.

EYE PROTECTION

EYE GLASSES OR GOGGLES SHOULD BE WORN IN DUSTY AREAS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

PROTECTIVE CLOTHING MAY BE WORN IN DUSTY AREAS, BUT IS GENERALLY NOT REQUIRED.

WORK/HYGIENIC PRACTICES

WARM WATER SHOWERING AND HANDWASHING IS SUGGESTED AFTER WORKING IN EXTREMELY DUSTY AREAS. EYEWASH STATIONS ARE RECOMMENDED IN THE WORK AREA. THOROUGHLY WASH WITH SOAP AND WATER BEFORE HANDLING FOOD, SMOKING OR APPLYING MAKEUP. WASH CONTAMINATED CLOTHING AND DRY BEFORE REUSE.

===== SECTION IX - DISCLAIMER =====

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE, OBTAINED FROM SOURCES BELIEVED BY PARISER INDUSTRIES, INC., TO BE ACCURATE. AS WITH ALL CHEMICALS, KEEP AWAY FROM CHILDREN, ANIMALS, AND FOOD PRODUCTS. FOR INDUSTRIAL USE ONLY, USE AS DIRECTED.

===== SECTION X - UN CODE =====

CORROSIVE SOLID, BASIC, INORGANIC N.O.S. 8, UN3262, PGIII, (CONTAINS SODIUM HYDROXIDE SOLID, DISODIUM TRIOXOSILICATE, PENTAHYDRATE)