

MATERIAL SAFETY DATA SHEET

PRODUCTS MANUFACTURED BY:
AMERICAN NIAGARA • 6690 JONES MILL COURT • BLDGS. A&B • NORCROSS, GA 30092
 PH: (770) 441-5900 • TOLL FREE (800) 241-7708 • FAX (770) 409-7240

24 HOUR EMERGENCY 800-424-9300 CHEMTREC

PRODUCT MANUFACTURED FOR (IF DIFFERENT FROM ABOVE)

SECTION I PRODUCT IDENTIFICATION

CHEMICAL NAMES & SYNONYMS

A BRANCHED CHAIN, SATURATED C9-C12 HYDROCARBON BLEND. CHEMICAL NAME: NAPHTHA (PETROLEUM), HEAVY ALKYLATE. ALSO CONTAINS, EMULSIFIERS, SURFACTANTS AND WETTING AGENTS FOR PENETRATION.

TRADE NAME

WORKHORSE-2-FLUID

SECTION II HAZARDOUS INGREDIENTS WITH CAS #S, TLV & HAZARDOUS WEIGHT BY %

INGREDIENTS THAT ARE APPLICABLE	PEL	OTHER TLV/TWA	CAS NUMBERS THAT ARE APPLICABLE	% BY WEIGHT
A COMPLEX MIXTURE OF PREDOMINATELY BRANCHED CHAIN, SATURATED C9-C12 HYDROCARBONS. NON-HAZARDOUS COMPONENTS CONSIST OF EMULSIFIERS, DRYERS, SURFACTANTS, AGENTS.	500 PPM	100 PPM	64741-65-7	NOTE: EXACT PERCENTAGES AND INTERINGREDIENTS WITHHELD UNDER 29CFR 19.10.1200 (i) AS TRADE SECRETS
	500 PPM	100 PPM	64742-48-9	
	300 PPM	300 PPM	64742-47-8	

NON-HAZARDOUS COMPONENTS ARE NOT REPORTED AND ARE CONSIDERED AS TRADE SECRETS

SECTION IIA CHEMICAL RATING SYSTEM

CHEMICAL RATING SYSTEM WHEN APPLICABLE/NFPA (NATIONAL FIRE PROTECTION AGENCY) - PRODUCTS ARE GRADED FROM 0 TO 4 ON (H) HEALTH, (F) FLAMMABILITY, AND (R) REACTIVITY. 0=NO SPECIAL HAZARD; 1=SLIGHT; 2=MODERATE; 3=HIGH; 4=EXTREME. THE INFORMATION FOR THIS PRODUCT IS AS FOLLOWS (*NOTE MAY NOT BE APPLICABLE ON CERTAIN TYPES OF PRODUCTS)

H = 1 F = 2 R = 0

SECTION III PHYSICAL DATA

BOILING POINT (F)	355-395° F	SPECIFIC GRAVITY (WATER=1)	0.759 @ 60° F
VAPOR DENSITY (AIR=1)	5.3	EVAPORATION RATE (ETHER=1)	0.1
VAPOR PRESSURE	1.9° @ 100° F	APPEARANCE AND ODOR	LIGHT COLORED LIQUID. HYDROCARBON ODOR.
MELTING POINT	N/A		
SOLUBILITY IN WATER (CENT)	NEGLIBIGLE		

SECTION IV FIRE & EXPLOSION HAZARD DATA

FLASHPOINT (METHOD USED) 125°F (TCC)

FLAMMABLE LIMITS/LOWER/UPPER

EXTINGUISHING MEDIA IN AIR @ 25 DEGREES C VOL. LOWER: 1 UPPER: 7
 WATER, FOG, FOAM, DRY CHEMICAL OR CO₂. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT & CAN BE RE-IGNITED ON

CAUTION. FLAMMABLE. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET W/FACE SHIELD, BUNKER COATS, GLOVES & RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF CONTAINER BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

SPECIAL FIRE FIGHTING PROCEDURES

UNUSUAL FIRE AND EXPLOSION HAZARDS

CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILD-UP WHICH COULD RESULT IN CONTAINER RUPTURE. CONTAINER AREAS EXPOSED TO DIRECT FLAME CONTACT SHOULD BE COOLED WITH LARGE QUANTITIES OF WATER AS NEEDED TO PREVENT WEAKENING OF CONTAINER STRUCTURE.

SECTION V REACTIVITY DATA

STABLE YES

STABILITY

UNSTABLE

STABILITY AVOID OPEN FLAMES, WELDING ARCS OR OTHER HIGH TEMPERATURE SOURCES WHICH INDUCE THERMAL DECOMPOSITION.

**un number 1268
 packing group III
 class 3**

INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID)
 HEAT, FLAME AND CONTACT WITH STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION

CARBON MONOXIDE, AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR

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SECTION VI HEALTH HAZARD INFORMATION

EYE LIQUID IS PRACTICALLY NON-IRRITATING TO EYES

SKIN CONTACT LIQUID IS SLIGHTLY IRRITATING TO SKIN. PROLONGED OR REPEATED LIQUID CONTACT CAN RESULT IN DEFATTING AND DRYING OF SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS.

INGESTION INGESTION OF PRODUCT MAY RESULT IN VOMITING; ASPIRATION OF VOMITUS INTO THE LUNGS MUST BE AVOIDED AS EVEN SMALL QUANTITIES MAY RESULT IN ASPIRATION PNEUMONITIS.

INHALATION VAPORS MAY CAUSE IRRITATION TO NOSE, THROAT AND RESPIRATORY TRACT. HIGH VAPOR CONCENTRATIONS MAY RESULT IN CNS DEPRESSION

SIGNS & SYMPTOMS

IRRITATION AS NOTED ABOVE. EARLY TO MODERATE CNS DEPRESSION MAY BE EVIDENCED BY GIDDINESS, HEADACHE, DIZZINESS, AND NAUSEA; IN EXTREME CASES, UNCONSCIOUSNESS AND DEATH MAY OCCUR. ASPIRATION PNEUMONITIS MAY BE EVIDENCED BY COUGHING, LABORED BREATHING AND CYANOSIS (BLUISH SKIN); IN SEVERE CASES, DEATH MAY OCCUR.

AGGRIVATED MEDICAL CONDITIONS

PREEXISTING EYE, SKIN, & RESPIRATORY DISORDERS MAY BE AGGRIVATED BY EXPOSURE TO THIS PRODUCT.

EMERGENCY & FIRST AID PROCEDURES

EYE & SKIN REMOVE CONTAMINATED CLOTHING AND FLUSH EXPOSED AREAS WITH WATER FOR 5 TO 15 MINUTES.

INHALATION REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, ADMINISTER RESPIRATION OR OXYGEN IF AVAILABLE. CALL A PHYSICIAN.

INGESTION DO NOT INDUCE VOMITING. CALL PHYSICIAN AND OBTAIN MEDICAL ATTENTION - IMMEDIATELY.

NOTE TO PHYSICIAN

IF MORE THAN 2.0 MILLILITERS PER KILOGRAM HAS BEEN INGESTED AND VOMITING HAS NOT OCCURRED, EMESIS SHOULD BE INDUCED WITH SUPERVISION. KEEP VICTIMS HEAD BELOW HIPS TO PREVENT ASPIRATION. IF SYMPTOMS SUCH AS A LOSS OF GAG REFLEX, CONVULSIONS OR UNCONSCIOUSNESS OCCUR BEFORE EMESIS, GASTRIC LAVAGE USING A CUFFED ENDOTRACHEAL TUBE SHOULD BE CONSIDERED.

SECTION VII SPILL OR LEAK PROCEDURES

LARGE SPILLS

ELIMINATE POTENTIAL SOURCE OF IGNITION. WEAR APPROPRIATE RESPIRATOR AND OTHER PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK ONLY IF SAFE TO DO SO. DIKE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/ SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND, OR OTHER SUITABLE MATERIAL; PLACE IN NON-LEAKING CONTAINERS AND SEAL TIGHTLY FOR PROPER DISPOSAL. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE. DISPOSE OF FLUSHED SOLUTION AS ABOVE.

SMALL SPILLS

TAKE UP WITH AN ABSORBENT MATERIAL AND PLACE IN NON-LEAKING CONTAINERS FOR PROPER DISPOSAL.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY: NONE REQUIRED WHEN USED WITH ADEQUATE VENTILATION

EYE CHEMICAL SAFETY GOGGLES, CONTACT LENSES SHOULD NOT BE WORN.

SKIN NEOPRENE, VITON, POLYVINYL ALCOHOL COATED GLOVES OR EQUIVALENT.

OTHER PROTECTIVE HEADGEAR & APRON WHEN SPLASHING IS A PROBLEM

SUFFICIENT TO MAINTAIN BELOW PEL

VENTILATION REQUIREMENTS

SECTION IX SPECIAL PRECAUTIONS

KEEP LIQUID AWAY FROM HEAT, SPARKS & FLAME. SURFACES THAT ARE SUFFICIENTLY HOT MAY IGNITE EVEN LIQUID PRODUCT IN THE ABSENCE OF SPARKS & FLAME. EXTINGUISH PILOT LIGHTS, CIGARETTES & TURN OFF OTHER SOURCES OF IGNITION PRIOR TO USE & UNTIL ALL VAPORS ARE GONE. VAPORS MAY ACCUMULATE & TRAVEL TO IGNITION SOURCES DISTANT FROM THE HANDLING SIGHT - FLASH FIRE CAN RESULT. KEEP CONTAINERS CLOSED WHEN NOT IN USE. USE WITH ADEQUATE VENTILATION. CONTAINERS CAN CONTAIN EXPLOSIVE VAPORS. DO NOT CUT, DRILL GRIND OR WELD OR PERFORM SIMILAR OPERATIONS ON OR NEAR CONTAINERS. DO NOT PRESSURIZE DRUM CONTAINERS TO EMPTY THEM. STATIC ELECTRICITY MAY ACCUMULATE AND CREATE A FIRE HAZARD. GROUND FIXED EQUIPMENT. BOND AND GROUND TRANSFER CONTAINERS & EQUIPMENT. WASH WITH SAOP AND WATER BEFORE EATING, DRINKING, SMOKING, APPLYING COSMETICS OR USING TOILET. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. AIR-DRY CLOTHING IN WELL VENTILATED AREA.

DISCLAIMER

THE INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET IS PROVIDED PURSUANT TO 29CFR 1910.1200 TO CONVEY INFORMATION CONCERNING THE HAZARDOUS NATURE OF THE NAMED PRODUCT. THE INFORMATION SUPPLIED WAS COMPILED FROM THE MOST RELIABLE SOURCES AVAILABLE AT THE TIME OF PREPARATION AND IN LIGHT OF THE MOST REASONABLE FORSEEABLE EXPOSURE SITUATIONS EXPECTED FROM THE INTENDED USE OF THIS PRODUCT. THE MATERIAL MAY PRESENT GREATER OR LESSER HAZARD EXPOSURE UNDER OTHER CIRCUMSTANCES THAT ARE BEYOND THE CONTROL OF THE MANUFACTURER. FOLLOW ALL DIRECTIONS AND WARNINGS ON THE PRODUCT LABEL.

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