

Material Safety Data Sheet

MIRACLE SOAK OFF

SECTION – 1

Manufacturer's Name: STAR NAIL INTERNATIONAL
Address: 29120 AVENUE PAINE
City, State, and Zip: VALENCIA, CA 91355
Emergency Number: (800) 255-3924 or (813) 248-0573
Other Calls: (661) 257-7827

SECTION – 2 PRODUCT INGREDIENTS

COMPOSITION	PERCENT
ACETONE	70%
NITROAKLANE	20%
METHYL METHACRYLATE	10%

NFPA HAZARD RATING: HEALTH 1 FIRE 3 REACTIVITY 0

ACUTE ORAL LD50	ACUTE DERMAL LD50	ACUTE INHALATION LC50
9.75 G/KG (RAT)	20.0 G/KG (RABBIT)	16.000 PPM/4H (RAT)

SECTION – 3 PHYSICAL INFORMATION

BOILING POINT	133 DEG F
SPECIFIC GRAVITY	0.79 @ 60 DEG F
VAPOR PRESSURE	185.5 @ 60 DEG F
VAPOR DENSITY	2.0
SOLUBILITY IN WATER	COMPLETE
APPEARANCE AND ODOR	COLORLESS, MOBILE LIQUID, MILD ODOR
MELTING POINT	-139 DEG F
EVAPORATION RATE	5.6
VDC	100% @ 6.55 LB/GAL @ 77 DEG F

SECTION – 4 FIRE & EXPLOSION DATA

FLASH POINT	0 DEF F
METHOD USED	TCC
FLAMMABLE LIMITS	UPPER: 12.8 LOWER: 2.6
EXTINGUISHER MEDIA	USE WATER FOG, ALCOHOL FOAM, DRY CHEMICAL OR CO2
SPECIAL FIRE FIGHTING PROCEDURES	EXTREMELY FLAMMABLE. CLEAR FIRE AREA OF UNPROTECTED PERSONNEL. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD. BUNKER COATS, GLOVES AND RUBBER BOOTS.) INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.
UNUSUAL FIRE AND EXPLOSION HAZARDS	CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP 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 – 5 HEALTH HAZARD DATA

THE HEALTH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATION STANDARD

EYE CONTACT	LIQUID IS SEVERELY IRRITATING TO THE EYES.
SKIN CONTACT	HIGH VAPOR CONCENTRATIONS ARE ALSO IRRITATING LIQUID IS MILDLY IRRITATING TO THE SKIN. PROLONGED OR REPEATED LIQUID CONTACT CAN RESULT IN DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS.
INHALATION	HIGH VAPOR CONCENTRATIONS MAY PRODUCE CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION.
INGESTION SIGNS AND SYMPTOMS	MAY PRODUCE CNS DEPRESSION 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.
AGGRAVATED MEDCAL CONDITIONS	PREEXISTING EYE AND SKIN, DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO ACETONE.

SECTION – 6 REACTIVITY DATA

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: AVOID HEAT, SPARKS, FLAME AND CONTACT WITH STRONG OXIDIZING AGENTS.
PREVENT VAPOR ACCUMULATION.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE AND UNIDENTIFIED ORGANIC
COMPOUNDS MAY BE FORMED DURING COMBUSTION.

SECTION – 7 SPILL OR LEAK PROCEDURES

DANGER. EXTREMELY FLAMMABLE. ELIMINATE ALL IGNITION SOURCES. HANDLING EQUIPMENT MUST BE GROUNDED TO PREVENT SPARKING. ****LARGE SPILLS**** ISOLATE THAT HAZARD AREA AND DENY ENTRY TO UNNECESSARY PERSONNEL. WEAR APPROPRIATE REPIRATOR AND PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK ONLY IF SAFE TO DO SO. DIKE AND CONTAIN. WATER FOG MAY BE USEFUL IN SUPPRESSING VAPOR CLOUD; CONTAIN RUN-OFF. 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 FOR PROPER DISPOSAL. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE; DISPOSE OF FLUSH SOLUTIONS AS ABOVE ****SMALL SPILLS**** TAKE UP WITH AN ABSORBENT MATERIAL AND PLACE IN NON LEAKING CONTAINERS; SEAL TIGHTLY FOR PROPER DISPOSAL.

SECTION – 8 PROTECTION AND PRECAUTIONS

KEEP LIQUID AND VAPOR AWAY FROM HEAT, SPARKS AND FLAME. SURFACES THAT ARE SUFFICIENTLY HOT MAY IGNITE EVEN LIQUID PRODUCT PRODUCT IN THE ABSENCE OF SPARKS OF FLAME. EXTINGUISH PILOT LIGHTS, CIGARETTES AND TURN OFF OTHER SOURCES OF IGNITION PRIOR TO USE AND UNTIL ALL VAPORS ARE GONE. VAPORS MAY ACCUMULATE AND TRAVEL TO IGNITION SOURCES DISTANT FROM THE HANDLING SITE; FLASH FIRE CAN RESULT. KEEP CONTAINERS CLOSED WHEN NOT IN USE. USE WITH ADEQUATE VENTILATION.

CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, AN CONTAIN EXPLOSIVE VAPORS. DO NOT CUT, DRILL, GRIND, 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 AND EQUIPMENT.

SECTION – 9 TRANSPORTATION REQUIRMENTS

DEPARTMENT OF TRANSPORTATION CLASSIFICATION	CLASS 3 - FLAMMABLE LIQUID
DOT PROPER SHIPPING NAME	ACETONE
OTHER REQUIREMENTS	UN1090 – GUIDE SHEET 26

SECTION – 10 OTHER REGULATORY CONTROLS

THIS PRODUCT IS LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.

PROTECTION OF STRATOSPHERIC OZONE (PURSUANT TO SECTION 611 OF THE CLEAN AIR ACT AMENDMENTS OF 1990): PER 40 CFR PART 82, THIS PRODUCT DOES NOT CONTAIN NOR WAS IT DIRECTLY MANUFACTURED WITH ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCES.

IN ACCORDANCE WITH SARA TITLE III, SECTION 313. THE ATTACHED ENVIRONMENTAL DATA SHEET (EDS) SHOULD ALWAYS BE COPIED AND SENT WITH THE MSDS.

SECTION – 11 OCCUPATIONAL EXPOSURE LIMITS

NO.	PEL/TWA	PEL/CEILING	TLV/TWA	TLV/STEL	OTHER
P	750 PPM		750 PPM	1000 PPM	1000 PPM

OSHA PEL/STEL

SECTION - 12 EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT	IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION
SKIN CONTACT	FLUSH SKIN WITH WATER. IF IRRITATION OCCURS. GET MEDICAL ATTENTION.
INHALATION	REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION
INGESTION	DO NOT GIVE LIQUIDS IF VICTIM IS UNCONSCIOUS OR VERY DROWSY. OTHERWISE GIVE NO MORE THAT 2 GLASSES OF WATER AND INDUCE VOMITIN BY GIVING 30CC (2 TABLESPOONS) SYRUP OF IPECAC. IF IPECAC IS UNAVAILABLE, GIVE 2 GLASSES OF WATER AND INDUCE VOMITING BY TOUCHING FINGER TO BACK OF VICIM'S THROAT. KEEP VICTIMS HEAD BELOW HIPS WHILE VOMITING. GET MEDICAL ATTENTION.
NOT TO PHYSICIAN	IS VICTIM IS A CHILD, GIVE NO MORE THAN 1 GLASS OF WTER AND 15CC (1 TABLESPOON) SYRUP OF IPECAC. IF SYMPTONS SUCH AS LOSS

OF GAG REFLEX, CONVULSIONS OR UNCONSCIOUSNESS OCCUR BEFORE EMESIS, GASTRIC LAVAGE SHOULD BE CONSIDERED FOLLOWING INTUBATION WITH A CUFFED ENDOTRACHEAL TUBE.

SECTION – 13 EMPLOYEE PROTECTION

RESPIRATORY PROTECTION

AVOID PROLONGED OR REPEATED BREATHING OF VAPORS. IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS (SEC. IV) USE A NIOSH – APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPOR

PROTECTIVE CLOTHING

AVOID CONTACT WITH EYES. WEAR CHEMICAL GOGGLES IF THERE IS LIKELIHOOD OF CONTACT WITH EYES. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WEAR GLOVES AND CLOTHING AS REQUIRED TO MINIMIZE CONTACT.

ADDITIONAL PROTECTIVE MEASURES

USE EXPLOSION-PROOF VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS. AIR DRY CONTAMINATED CLOTHING IN A WELL VENTILATED AREA, THEN LAUNDRER BEFORE REUSING.

DATED: February 6, 2007