



MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT

INM Prep Step

MSDS DATE: 05/03/04

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PREP STEP

PRODUCT CODES: INMPS

MANUFACTURER: International Nail Manufacturers (inm)
DIVISION: Division of Nail Cartel, Inc.
ADDRESS: 1221 N. Lakeview Ave.
Anaheim, CA 92807

EMERGENCY PHONE: INFOTRAK: 1-800-535-5053 International: 1-352-323-3500

OTHER CALLS: 1-800-541-9838

FAX PHONE: 1-714-779-9971

PREPARED BY: Steven Tate, Production Manager
1-714-779-9892

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Product Use	Chemical Name	Molecular Formula	OSHA Status	Molecular Weight	Chemical Identity	CAS Numbers	Weight%
Solvent	Acetic Acid Ethyl Ester	C ₂ H ₈ O ₂	Hazardous	88.11	Ethyl Acetate	141-78-6	100

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Warning! Flammable liquid and vapor.

ROUTES OF ENTRY: Eyes or skin (No absorption); inhalation of vapors.

POTENTIAL HEALTH EFFECTS

EYES: High vapor concentrations may cause drowsiness and irritation of the eyes.

SKIN: Prolonged or repeated skin contact may cause drying, cracking, or irritation.

INGESTION: Higher concentration can irritate respiratory system.

INHALATION: High vapor concentrations may cause drowsiness and irritation of the respiratory tract.

HMIS HAZARD RATINGS:

HEALTH – 1, FLAMMABILITY – 3, CHEMICAL REACTIVITY – 0

NOTE: *HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.*

SECTION 4: FIRST AID MEASURES

EYES: In case of irritation from airborne exposure, move to fresh air. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

SKIN: Wash with soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.



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INGESTION: Seek medical advice.

INHALATION: Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: N/A
(% BY VOLUME) LOWER: N/A

FLASH POINT: -4° C (Tag closed cup)

AUTOIGNITION TEMPERATURE: 485° C (ASTM D2155)

METHOD USED:

EXTINGUISHING MEDIA:	Water spray, dry chemical, carbon dioxide, foam.
SPECIAL FIRE FIGHTING PROCEDURES:	Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon dioxide, carbon monoxide.
SENSITIVITY TO STATIC DISCHARGE:	Material is unlikely to accumulate a static charge which could act as an ignition source.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Eliminate all ignition sources. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

FOR LARGE SPILLS: Use water spray to disperse vapors and dilute spill to a nonflammable mixture. Prevent runoff from entering drains, sewers, or streams.

SECTION 7: HANDLING AND STORAGE

PERSONAL PRECAUTIONARY MEASURES:
Avoid breathing high vapor concentrations. Avoid prolonged or repeated contact with skin. Use only with adequate ventilation. Wash thoroughly after handling.

PREVENTION OF FIRE AND EXPLOSION:
Keep away from heat, sparks, and flame. Use only with adequate ventilation. Keep from contact with oxidizing materials. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids.

STORAGE: Keep container tightly closed.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 1152, January 8, 1998. Respirator type: organic vapor.

EYE PROTECTION: Wear safety glasses with side shields (or goggles). Wear a full-face respirator, if needed.



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SKIN PROTECTION:

For operations where prolonged or repeated skin contact may occur, chemical-resistant gloves should be worn. Contact glove manufacturer for specific information.

RECOMMENDED DECONTAMINATION FACILITIES:

Eye bath, washing facilities, safety shower.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colorless liquid.

ODOR: Sweet, ester.

pH AS SUPPLIED: N/A

BOILING POINT: 78° C

VAPOR PRESSURE (mmHg): 20° C; 99 mbar

VAPOR DENSITY (AIR = 1): 3

SPECIFIC GRAVITY (H₂O = 1): 0.902 (20° C)

EVAPORATION RATE: 4.1 (n-butyl acetate = 1)

SOLUBILITY IN WATER: Moderate.

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable.

INCOMPATIBILITY (MATERIAL TO AVOID): Material reacts with strong oxidizing agents, strong acids, strong bases.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Oral LD-50: (rat)	5,600 mg/kg
Inhalation LC-50: (rat)	6 h: 16,000 ppm
Dermal LD-50: (rabbit)	> 20 mL/kg (highest dose tested)
Skin Irritation (rabbit)	Very Slight
Eye Irritation (rabbit)	Slight
Skin Sensitization: (human)	None

SECTION 12: ECOLOGICAL INFORMATION

Oxygen Demand Data:	
BOD-5:	1,240 mg/g
BOD-20:	1,240 mg/g
BOD-20:	1,430 mg/g
COD:	1,540 mg/g
ThOD:	1,820 mg/g
Acute Aquatic Effects Data:	
48 h LC-50 (golden orfe):	270 mg/l
48 h LC-50 (golden orfe):	333 mg/l
24 h LC-50 (daphnid):	3090 mg/l
24 h LC-50 (daphnid):	3090 mg/l



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SECTION 13: DISPOSAL CONSIDERATIONS

Discharge, treatment, or disposal may be subject to national, state, or local laws. Incinerate. Since emptied containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition; do not cut, drill, grind, or weld on or near this container. Since emptied containers retain product residue, follow label warnings even after container is emptied. This material and its container must be disposed of in a safe way.

SECTION 14: TRANSPORT INFORMATION

DOT (USA)	Class 3 Packing Group II
Marine Pollutant:	None unless listed below.
TDG (Canada)	Class 3 Packing Group II
ICAO Status:	Class 3 Packing Group II
IMO (IMDG) Status:	Class 3 Packing Group II

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

Clean Air Act: HAP/ODS	N/A
Clean Water Act: Priority Pollutant	N/A
FDA: Food Packaging Status	N/A
Occupational Safety and Health Act	N/A
RCRA	N/A
SARA Title III: Section 302	N/A
SARA Title III: Section 304	N/A
SARA Title III: Section 311-312	Immediate (acute) health hazard; fire hazard.
SARA Title III: Section 313	None, unless listed below.
Carcinogenicity Classification (Components present at 0.1% or more):	None, unless listed below.
ACGIH (American Conference of Governmental Industrial Hygienists):	Not classifiable as a human carcinogen.
TSCA (US Toxic Substances Control Act):	This product is listed on the TSCA inventory. Any impurities present in this product are exempt from listing.
TSCA Section 8(b): Inventory:	N/A

STATE REGULATIONS:

CA Right-to-know Law:	N/A
MA Right-to-know Law:	N/A
NJ Right-to-know Law:	N/A
PA Right-to-know Law:	N/A
FL Right-to-know Law:	N/A
MN Right-to-know Law:	N/A

INTERNATIONAL REGULATIONS:

WHMIS (Canada) Status:	Controlled.
WHMIS (Canada) Hazard Classification:	B/2
DSL (Canadian Domestic Substances List) and CEPA	This product is listed on the DSL. Any impurities present in this product are exempt from listing.



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(Canadian Environmental Protection Act):	
EINECS: (European Inventory of Existing Commercial Chemical Substances):	This product is listed on EINECS.
EINECS Number:	205-500-4
AICS/ NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme):	This product is listed on AICS or otherwise complies with NICNAS.
MITI (Japanese Handbook of Existing and New Chemical Substances):	This product is listed in the Handbook or has been approved in Japan by new substance notification.

SECTION 16: OTHER INFORMATION

DISCLAIMER: The information contained herein is based on current knowledge and experience; no responsibility is accepted that the information is sufficient or correct in all cases. Users should consider these data only as a supplement to other information. Users should make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials, the safety and health of employees and customers, and the protection of the environment.