

**PRODUCT NUMBER: VP 110**  
**PRODUCT NAME: PIN CLEANING SOLUTION**

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**MATERIAL SAFETY DATA SHEET**

SECTION 1 -----CHEMICAL IDENTIFICATION-----

CATALOG #: VP 110  
NAME: PIN CLEANING SOLUTION

SECTION 2 -----COMPOSITION/INFORMATION ON INGREDIENTS-----

HAZARDOUS COMPONENTS	CAS #	OSHA PEL	WEIGHT (%)
PHOSPHORIC ACID *	7664-38-2	1mg/m3	10

(\* NOTE: A SARA 313 CHEMICAL)

SECTION 3 -----FIRST-AID MEASURES-----

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. ASSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS WITH FINGERS. IF IRRITATION PERSISTS, CALL PHYSICIAN.  
IF INHALED, REMOVE TO FRESH AIR. IF UNCONCIOUS, CALL PHYSICIAN.  
IF INGESTED, DRINK LARGE AMOUNTS OF WATER, CALL PHYSICIAN.

SECTION 4 -----PHYSICAL/CHEMICAL PROPERTIES-----

BOILING POINT: >212°F	SPECIFIC GRAVITY: 1.09
VAPOR PRESSURE: NOT TESTED	MELTING POINT: NOT TESTED
VAPOR DENSITY: NOT TESTED	EVAPORATION RATE: NOT TESTED
SOLUBILITY IN WATER: 100%	
APPEARANCE AND ODOR: BLUE, MINT ODOR	

SECTION 5 -----FIRE AND EXPLOSION HAZARD DATA-----

FLASH POINT: NONE	FLAMMABLE LIMITS: NOT TESTED
LEL: NONE	UEL: NONE
Ph: <2	DOT #: CORROSIVE-LIMITED QUANTITY
NFPA HAZARD RATING: H F R S	
(0-LEAST, 4-EXTREME) :	2 0 0 0

EXTINGUISHING MEDIA: NONE  
SPECIAL FIRE FIGHTING PROCEDURES: NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

SECTION 6 ----- HEALTH HAZARD DATA-----

ROUTES OF ENTRY

INHALATION? POSSIBLE

SKIN? POSSIBLE

INGESTION? POSSIBLE

HEALTH HAZARDS: SAME AS SIGNS AND SYMPTOMS OF EXPOSURE

NOTE: ALL CHEMICALS INCORPORATED INTO THIS PRODUCT ARE FOUND ON THE TSCA INVENTORY LIST.

OSHA CARCINOGENICITY? NONE

NTP? NONE

IARC MONOGRAPHS? NONE

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: BURNING IRRITATION

SKIN: IRRITATION

INGESTION: IRRITATION, NAUSEA

INHALATION: IRRITATION

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE – SAME AS SIGNS AND SYMPTOMS OF OVEREXPOSURE.

SECTION 7 ----- REACTIVITY DATA-----

STABILITY: STABLE

CONDITIONS TO AVOID: NONE

INCOMPATIBLE MATERIALS TO AVOID: STRONG OXIDIZERS, AMMONIA

HAZARDOUS DECOMPOSITION OR BY PRODUCTS: CO, CO<sub>2</sub>

HAZARDOUS POLYMERIZATION: NONE

CONDITIONS TO AVOID: NONE

SECTION 8 ----- PRECAUTIONS FOR SAFE HANDLING AND USE-----

IN CASE OF SPILL, ABSORB WITH INERT, ABSORBANT MATERIAL. PLACE IN PROPER WASTE DISPOSAL CONTAINER.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE IN A COOL, DRY PLACE, OUT OF DIRECT SUNLIGHT. DO NOT FREEZE OR HEAT ABOVE 110°F

OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. FOLLOW INSTRUCTIONS PROVIDED FOR PROPER USE OF THIS PRODUCT.

SECTION 9 ----- CONTROL MEASURES-----

RESPIRATORY PROTECTION: OPEN ALL DOORS AND WINDOWS. EXPOSURES ABOVE THE TLV OR PEL REQUIRE A NIOSH APPROVED RESPIRATOR EQUIPPED FOR THE EXPOSURE OR SUITABLE RESPIRATORY PROTECTION PER 29 CFR 1910.134.

VENTILATION LOCAL EXHAUST: IF AVAILABLE SPECIAL: NONE

MECHANICAL: IF AVAILABLE OTHER: NONE

PROTECTIVE GLOVES: RUBBER, PLASTIC

EYE PROTECTION: GLASSES, GOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE