

# MATERIAL SAFETY DATA SHEET

## PRODUCT IDENTIFICATION

### SECTION 1

PRODUCT NAME HP SHINER  
GENERIC NAME LIQUID DETERGENT  
SUPPLIERS NAME NATIONAL AUTOMOTIVE CHEMICAL  
SUPPLIERS ADDRESS 1000 HIGHLAND AVE. PHONE 800-999-7235  
CAMBRIDGE, OHIO 43725  
PROPER SHIPPING NAME LIQUID CLEANING SOLUTIONS  
CHEMICAL FAMILY N/A

HMIS	
HEALTH	2
FIRE	0
REACTIVITY	1
PERSONAL PROTECTION	

## HAZARDOUS INGREDIENTS

### SECTION 2

CHEMICAL NAME	CAS No.	WEIGHT %	PEL	TWA-TLV	CAR NO
PHOSPHORIC ACID	7664-38-2	05-07%	N/A	1000 mg	NO

## PHYSICAL DATA

### SECTION 3

BOILING RANGE	210 F	SPECIFIC GRAVITY	1
VAPOR PRESSURE	mmHg/20 DEG C	VAPOR DENSITY	(AIR=1) N/AP
%VOLATILE	85	PH	3
SOLUBILITY IN WATER	100%	EVAPORATION RATES	(WATER=1):> 1
PHYSICAL DESCRIPTION	Thin golden liquid		

## FIRE & EXPLOSION HAZARD

### SECTION 4

FLASH POINT N/A  
FLAMMABLE LIMITS N/A LEL N/A/ UELEL METHOD USED: (TCP)  
EXTINGUISHING MEDIA NONFLAMMABLE  
SPECIAL FIRE FIGHTING PROCEDURES N/A  
UNUSUAL FIRE & EXPLOSION HAZARDS N/A

## REACTIVITY DATA

### SECTION 5

STABILITY Stable COMPATIBILITY  
HAZARDOUS DECOMPOSITION NONE KNOWN  
HAZARDOUS POLYMERIZATION Will Not Occur

## STORAGE & HANDLING

### SECTION 6

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP OUT OF REACH OF CHILDREN.  
FOR USE BY TRAINED PROFESSIONALS ONLY. KEEP CONTAINER CLOSED DURING STORAGE.  
FOR INDUSTRIAL USE ONLY.

## HEALTH & FIRST AID

### SECTION 7

EFFECTS OF OVEREXPOSURE

**PRIMARY ROUTE OF ENTRY**

EYES: SEVERE EYE IRRITANT. LIQUID AND MISTS MAY DAMAGE THE EYES CAUSING CORNEAL INJURY.

SKIN: MAY CAUSE REDNESS OR SWELLING. PROLONGED OR REPEATED CONTACT MAY CAUSE DERMATITIS.

INHALATION: MAY BE IRRITATING TO THE MUCOUS MEMBRANES TO THE NOSE, THROAT, LUNGS. CHOKING, COUGHING OR HEADACHE MAY OCCUR.

INGESTION: IRRITATION TO THE MOUTH, THROAT AND GASTROINTESTINAL SYSTEM. LARGE AMOUNTS MAY CAUSE VOMITING AND DIARRHEA.

**FIRST AID PROCEDURES**

SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH AFFECTED AREA WITH WATER. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

EYES: FLUSH EYES WITH LARGE QUANTITIES OF WATER. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INHALATION: GET FRESH AIR. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INGESTION: DO NOT INDUCE VOMITING. IF PERSON IS CONSCIOUS, DRINK LARGE QUANTITIES OF WATER. CONSULT A PHYSICIAN.

**SPECIAL PROTECTION DATA**

**SECTION 8**

**RESPIRATORY PROTECTION:** USE WITH ADEQUATE VENTILATION.

**VENTILATION:** PROVIDE LOCAL EXHAUST TO KEEP TLV OF SECTION 2 INGREDIENTS BELOW ACCEPTABLE LIMIT.

**PROTECTIVE GLOVES:** WATERPROOF

**EYE PROTECTION:** SAFETY GLASSES

**OTHER PROTECTIVE EQUIPMENT:** N/A

**SPILL OR LEAK PROCEDURE**

**SECTION 9**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** MOP UP OR OTHERWISE ABSORB AND HOLD FOR DISPOSAL.

**WASTE DISPOSAL METHOD:** ANY METHOD IN ACCORDANCE WITH APPLICABLE LAWS.