

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

SECTION 1

PRODUCT NAME LOW pH 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
FIRE
REACTIVITY
PERSONAL
PROTECTION

HAZARDOUS INGREDIENTS

SECTION 2

CHEMICAL NAME	CAS No.	WEIGHT %	PEL	TWA-TLV	CAR NO
PHOSPHORIC ACID	7664-38-2	0-5	N/A	1000 mg	NO

PHYSICAL DATA

SECTION 3

BOILING RANGE	<u>210 F</u>	SPECIFIC GRAVITY	<u>1</u>
VAPOR PRESSURE	<u>mmHg/20 DEG C</u>	VAPOR DENSITY	<u>(AIR=1) N/AP</u>
%VOLATILE	<u>85</u>	PH	<u>6</u>
SOLUBILITY IN WATER	<u>100%</u>	EVAPORATION RATES	<u>(WATER=1):> 1</u>
PHYSICAL DESCRIPTION	<u>Thin golden liquid</u>		

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.