

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

SECTION 1

PRODUCT NAME IMPACT

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	<u>1</u>
FIRE	<u>0</u>
REACTIVITY	<u>0</u>
PERSONAL	<u> </u>
PROTECTION	<u>B</u>

HAZARDOUS INGREDIENTS

SECTION 2

CHEMICAL NAME	CAS No.	WEIGHT %	PEL	TWA-TLV	CAR
Sulfonic Acid	27176-87-8	0 - 25			NO
Sodium Hydroxide	1310-73-2	0 - 10			NO
2 Butoxyethanol	111-76-2	0 - 5	25	25	NO

PHYSICAL DATA

SECTION 3

BOILING RANGE	<u>215 F Initial</u>	SPECIFIC GRAVITY	<u>1.02</u>
VAPOR PRESSURE	<u>20mm Hg@68F</u>	VAPOR DENSITY	<u>(AIR=1) >1</u>
%VOLATILE	<u>85.00 +</u>	PH	<u>7.0 to 8.0</u>
SOLUBILITY IN WATER	<u>COMPLETE</u>	EVAPORATION RATES	<u>(WATER + 1) < 1</u>
PHYSICAL DESCRIPTION	<u>Viscous red liquid with characteristic odor.</u>		

FIRE & EXPLOSION HAZARD

SECTION 4

FLASH POINT	<u>N/A</u>
FLAMMABLE LIMITS	<u>N/A</u>
EXTINGUISHING MEDIA	<u>NONFLAMMABLE</u>
SPECIAL FIRE FIGHTING PROCEDURES	<u>N/A</u>
UNUSUAL FIRE & EXPLOSION HAZARDS	<u>N/A</u>

REACTIVITY DATA

SECTION 5

STABILITY	<u>Stable</u>	COMPATIBILITY	<u>None known</u>
HAZARDOUS DECOMPOSITION	<u>None known</u>		
HAZARDOUS POLYMERIZATION	<u>Will Not Occur</u>		

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. 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.