

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

SECTION 1

PRODUCT NAME BIG EASY STEP 1

GENERIC NAME POWDERED DETERGENT

SUPPLIERS NAME NATIONAL AUTOMOTIVE CHEMICAL

SUPPLIERS ADDRESS 1000 HIGHLAND AVE. PHONE 800-999-7235
CAMBRIDGE , OHIO 43725

PROPER SHIPPING NAME COMPOUND, CLEANING POWDER

CHEMICAL FAMILY N/A

HMIS

HEALTH 2

FIRE 0

REACTIVITY 0

PERSONAL

PROTECTION

HAZARDOUS INGREDIENTS

SECTION 2

CHEMICAL NAME	CAS No.	WEIGHT %	PEL	TWA-TLV	CAR
SODIUM METASILICATE	6834-92-0	0-25			NONE
SODIUM HYDROZIDE	1310-73-2	0-15	2ppm	2ppm	NO

PHYSICAL DATA

SECTION 3

BOILING RANGE	<u>210 F</u>	SPECIFIC GRAVITY	<u>2.1</u>
VAPOR PRESSURE	<u>mmHG/20 DEG C</u>	VAPOR DENSITY	<u>N/A</u>
%VOLATILE	<u>85</u>	PH	<u>N/A</u>
SOLUBILITY IN WATER	<u>COMPLETE</u>	EVAPORATION RATES	<u>N/A</u>
PHYSICAL DESCRIPTION	<u>White granular powder with citrus odor</u>		
	MELTING POINT	<u>Decomposes 131F</u>	

FIRE & EXPLOSION HAZARD

SECTION 4

FLASH POINT N/A

FLAMMABLE LIMITS N/A

EXTINGUISHING MEDIA NONFLAMMABLE

SPECIAL FIRE FIGHTING PROCEDURES N/A

UNUSUAL FIRE & EXPLOSION HAZARDS N/A

REACTIVITY DATA

SECTION 5

STABILITY	<u>Stable</u>	COMPATIBILITY	<u>MATERIALS TO:</u>
HAZARDOUS DECOMPOSITION	<u>ALKALINE VAPORS IN FIRE</u>		<u>AVOID:</u>
HAZARDOUS POLYMERIZATION	<u>Will Not Occur</u>		<u>STRONG ACIDS</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. POWDER DUSTS MAY DAMAGE THE EYES CAUSING CORNEAL INJURY.

SKIN: MOISTURE ON SKIN SUCH AS PERSPIRATION OR WATER WILL CREATE HEAT WHICH MAY BURN SKIN.

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. IF PERSON IS CONSCIOUS, DRINK LARGE QUANTITIES OF WATER.

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: AS NEEDED TO PROTECT.

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.

NATIONAL AUTOMOTIVE CHEMICAL

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

SECTION 1

PRODUCT NAME BIG EASY STEP 2

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 0

PERSONAL

PROTECTION B

HAZARDOUS INGREDIENTS

SECTION 2

CHEMICAL NAME	CAS No.	WEIGHT %	PEL	TWA-TLV	CAR
SODIUM HYDROZIDE	1310-73-2	0-10	2PPM	2PPM	NONE

PHYSICAL DATA

SECTION 3

BOILING RANGE	<u>212 F Initial</u>	SPECIFIC GRAVITY	<u>1.08</u>
VAPOR PRESSURE	<u>20mm Hg@68F</u>	VAPOR DENSITY	<u>(AIR=1) >1</u>
%VOLATILE	<u>82.00 +</u>	PH	<u>11.0 TO 12.0</u>
SOLUBILITY IN WATER	<u>COMPLETE</u>	EVAPORATION RATES	<u>(WATER + 1) < 1</u>
PHYSICAL DESCRIPTION	<u>GREEN LIQUID W/ CITRUS ODOR</u>		

FIRE & EXPLOSION HAZARD

SECTION 4

FLASH POINT N/A

FLAMMABLE LIMITS N/A

EXTINGUISHING MEDIA NONFLAMMABLE

SPECIAL FIRE FIGHTING PROCEDURES N/A

UNUSUAL FIRE & EXPLOSION HAZARDS N/A

REACTIVITY DATA

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HAZARDOUS DECOMPOSITION	<u>ALKALINE VAPORS IN FIRE</u>		
HAZARDOUS POLYMERIZATION	<u>Will Not Occur</u>		

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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.

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