



**Common Name:** HOT SHOT

**Manufacturer:** RAMSEY

**MSDS Revision Date:** 1/1/2000

**Grainger Item Number(s):** 2U120

**Manufacturer Model Number(s):** 50321

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MSDS NO. 7S474

BALL (R\*)

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PRODUCT CODE: SKU # 2U120  
ITEM #: 8140110

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: HOT SHOT  
PRODUCT TYPE: HEAVY DUTY ALKALINE CLEANER  
MSDS DATE: JANUARY 1, 2000

HMIS HAZARD RATING:  
HEALTH = 2  
FLAMMABILITY = 0  
REACTIVITY = 0

HMIS SCALE:  
4=VERY HIGH  
3=HIGH  
2=MODERATE  
1=SLIGHT  
0=INSIGNIFICANT

**I INGREDIENTS**



|  | CAS NUMBER | OSHA (PEL)      | ACGIH (TLV)     | %    |
|--|------------|-----------------|-----------------|------|
| WATER  | 7732-18-5  | NA              | NA              |      |
| *,** (PA,NJ,MA) SODIUM HYDROXIDE   | 1310-73-2  | 2 PPM (CEILING) | 2 PPM (CEILING) | 9-11 |
| ** (PA,NJ,MA) 2-BUTOXYETHANOL  | 111-76-2   | 25 PPM (SKIN)   | 25 PPM (SKIN)   | 4-6  |
| SODIUM XYLENE SULFONATE  | 1300-72-7  | NE              | NE              | 4-6  |
| ETHOXYLATED NONYL PHENOL   | 9016-45-9  | NE              | NE              | 2-4  |
| * REPORTABLE UNDER S.A.R.A. TITLE III SECTION 313.   |            |                 |                 |      |
| ** SUBJECT TO REPORTING REQUIREMENTS UNDER THE PENNSYLVANIA, NEW JERSEY, AND MASSACHUSETTS HAZARDOUS SUBSTANCE LIST. |            |                 |                 |      |

II PHYSICAL DATA



|                                  |   |
|----------------------------------|---|
| APPEARANCE & ODOR:               | COLORLESS TO LIGHT YELLOW LIQUID;<br>MILD BUTYL ODOR. |
| BOILING POINT:                   | APPROX. 212 DEG. F                                    |
| SPECIFIC GRAVITY (WATER = 1):    | 1.12  |
| VAPOR PRESSURE (MMHG 20 DEG. C): | NA  |
| VOLATILE ORGANIC COMPOUND:       | 56 GRAMS/LITER  |
| VAPOR DENSITY (AIR=1):           | NA  |
| PH:                              | 13  |
| SOLUBILITY IN WATER:             | COMPLETE  |
| EVAP. RATE (BUAC=1):             | NA  |

III FIRE & EXPLOSION HAZARD



|                                   |                    |
|-----------------------------------|--------------------|
| FLASH POINT:                      | = >200 DEG. F PMCC |
| AUTO IGNITION TEMP                | = NE               |
| FLAMMABLE LIMIT:                  |                    |
| LEL                               | = NE               |
| UEL                               | = NE               |
| SPECIAL FIRE FIGHTING PROCEDURES: | NONE               |
| UNUSUAL FIRE & EXPLOSION HAZARDS: | NONE               |
| EXTINGUISHING MEDIA:              |                    |
| (X) WATER SPRAY                   |                    |
| (X) CARBON DIOXIDE                |                    |
| (X) FOAM                          |                    |
| (X) DRY CHEMICAL                  |                    |
| ( ) NA                            |                    |

IV REACTIVITY DATA



|                      |    |
|----------------------|----|
| STABILITY:           |    |
| (X) STABLE           |    |
| ( ) UNSTABLE         |    |
| CONDITIONS TO AVOID: | NA |

HAZARDOUS POLYMERIZATION:  
( ) MAY OCCUR  
(X) WILL NOT OCCUR

CONDITIONS TO AVOID: NONE

HAZARDOUS DECOMPOSITION/BYPRODUCT:  
OXIDES OF CARBON AND NITROGEN.

V HEALTH HAZARD INFORMATION & FIRST AID PROCEDURES



A. CHRONIC HEALTH HAZARD:  
2-BUTOXYETHANOL HAS BEEN FOUND TO CAUSE KIDNEY, LIVER AND BLOOD EFFECTS IN  
LABORATORY ANIMALS.

B. MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE :  
NONE KNOWN

C. CARCINOGENICITY:

|         |         |        |
|---------|---------|--------|
| NTP     | YES ( ) | (X) NO |
| IARC    | YES ( ) | (X) NO |
| OSHA    | YES ( ) | (X) NO |
| PROP 65 | YES ( ) | (X) NO |

|            | ROUTE<br>OF<br>ENTRY | SIGNS & SYMPTOMS OF ACUTE OVEREXPOSURE/<br>EMERGENCY & FIRST AID PROCEDURES  |
|------------|----------------------|--|
| EYES       | X                    | REDNESS, TEARING, BURNING<br><br>FLUSH THOROUGHLY WITH WATER, REMOVE ANY CONTACT<br>LENSES. CONTINUE TO FLUSH WITH WATER FOR AT LEAST<br>15 MINUTES. IF IRRITATION OCCURS, GET MEDICAL<br>ATTENTION.                           |
| INHALATION | X                    | NAUSEA, HEADACHE, IRRITATED NASAL PASSAGES<br><br>MOVE SUBJECT TO FRESH AIR. IF SYMPTOMS PERSIST,<br>GET MEDICAL ATTENTION.  |
| INGESTION  | X                    | GASTRO-INTESTINAL DISTURBANCES<br><br>DRINK PLENTY OF WATER AND CONTACT A PHYSICIAN AND<br>POISON CONTROL CENTER. NEVER GIVE ANYTHING BY MOUTH TO<br>AN UNCONSCIOUS PERSON. NEVER INDUCE VOMITING IN AN<br>UNCONSCIOUS PERSON. |
| SKIN       | X                    | REDNESS, DRYNESS, IRRITATION<br><br>WASH THOROUGHLY WITH SOAP AND WATER. IF IRRITATION<br>PERSISTS, GET MEDICAL ATTENTION.   |

VI PRECAUTION FOR SAFE HANDLING AND USE



MATERIAL IS SPILLED/RELEASED:  
MOP UP MATERIAL OR PICK UP WITH ABSORBENT MATERIAL. RINSE WITH WATER.

WASTE DISPOSAL:  
FOLLOW ALL FEDERAL, STATE, AND LOCAL WASTE REGULATIONS.

HANDLING & STORING:  
KEEP OUT OF REACH OF CHILDREN. WARNING: CORROSIVE

OTHERS:  
FOLLOW NORMAL HYGIENE PRACTICES.

VII SPECIAL PROTECTION INFORMATION



RESPIRATORY:  
(X) NONE  
( ) DUST MASK  
( ) CANISTER

VENTILATION:  
( ) NONE  
(X) LOCAL EXHAUST  
( ) MECHANICAL

PROTECTIVE GLOVES:  
( ) NONE  
(X) RUBBER OR NEOPRENE

EYE PROTECTION:  
( ) NONE  
(X) SPLASH GOGGLES  
( ) FACE SHIELD

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:  
EYEWASH, PROTECTIVE CLOTHING.

VIII D.O.T. INFORMATION



PROPER SHIPPING NAME: SODIUM HYDROXIDE SOLUTION  
HAZARD CLASS: 8  
UN/NA NUMBER: UN1824  
OTHER: PACKAGING GROUP II, ERG 154

MSDS PREPARED BY: EH & S/REGULATORY AFFAIRS

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NA = NOT APPLICABLE  
NE = NOT ESTABLISHED  
NH = NOT HAZARDOUS