

**MATERIAL SAFETY DATA SHEET**

MSDS Date: 11/7/05  
 Supersedes:

**Section 1: PRODUCT IDENTIFICATION**

PRODUCT NAME: **Blue Thunder**  
 PRODUCT DESCRIPTION: **Cleaner/Degreaser**  
 CHEMICAL FAMILY: **Liquid Detergent**  
 MANUFACTURER: **Scotch Plaid, Inc.**

**Section 2: HAZARDOUS INGREDIENTS**

Chemical Name	CAS No.	Percent	OSHA - PEL	ACGIH - TLV
2-Butoxyethanol	000011-76-2	2%	22 ppm (skin)	22 ppm (skin)
Sodium Hydroxide	001310-73-2	1%	1 mg/M3	1 mg/M3
Sodium Metasilicate	006834-92-0	3%	N/E	N/E

**Section 3: PHYSICAL AND CHEMICAL DATA**

BOILING POINT:	214 deg F	SPECIFIC GRAVITY:	1.07
VAPOR PRESSURE:	NA	% VOLATILE BY VOLUME	0%
VAPOR DENSITY:	NA	EVAPORATION RATE:	N/E
SOLUBILITY IN WATER:	Complete @ 77 Deg F	FREEZING POINT:	N/E
PHOSPHOROUS CONTENT:	< 1%	pH @ 100%:	13.0
APPEARANCE AND ODOR:	Clear blue liquid with slight odor		

**Section 4: FIRE AND EXPLOSION HAZARDS**

FLASH POINT: None  
 EXTINGUISHING MEDIA: Foam and Water, Dry chemical or carbon dioxide  
 SPECIAL FIREFIGHTING PROCEDURES: Should use a self-contained breathing apparatus and protective clothing.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A  
 FLAMMABLE LIMITS: NA

**Section 5: HEALTH AND HAZARD DATA**

EFFECTS OF OVEREXPOSURE:  
 INGESTION: Severe irritation on tracheal and gastrointestinal tract  
 SKIN: Severe irritation may occur  
 EYES: Severe irritation may occur and possible permanent damage  
 INHALATION: Severe irritation to respiratory tract.  
 IN ALL CASES: Get prompt medical attention if effects persist. NEVER give anything by mouth to an unconscious person.  
 FIRST AID PROCEDURES:  
 INGESTION: Give plenty of water, do NOT induce vomiting. Seek medical attention.  
 SKIN: Wash with plenty of water  
 EYES: Rinse with plenty of water  
 INHALATION: Remove to a well ventilated area.

**Section 6: REACTIVITY DATA**

STABLE: X  
 UNSTABLE:  
 CONDITIONS TO AVOID: Excessive heat and humidity.  
 INCOMPATIBILITY: Strong oxidizing materials  
 HAZARDOUS DECOMPOSITION PRODUCTS: None  
 HAZARDOUS POLYMERIZATION OCCURS: DOES NOT OCCUR: X

**Section 7: STORAGE, HANDLING AND USE**

STEPS TO FOLLOW IF MATERIAL IS SPILLED OR RELEASED: If not prohibited by fed, state, county, or local laws, absorb spills with absorbent material. Wash surface with water.  
 WASTE DISPOSAL METHOD: Dispose in accordance with local, state and federal regulations.  
 HANDLING AND STORAGE: Avoid High Heat and Humidity

**Section 8: PERSONAL PROTECTION INFORMATION**

RESPIRATOR PROTECTION: If exposure exceeds occupational exposure limit use with a NIOSH approved respirator.  
 VENTILATION: Sufficient ventilation (Moving air)  
 PROTECTIVE GLOVES: PVC Gloves are recommended  
 EYE PROTECTION: Full Fitting Goggles  
 OTHER EQUIPMENT: None

**Section 9: TRANSPORTATION & REGULATORY INFORMATION**

D.O.T. CLASSIFICATION: None  
 CALIFORNIA PROP. 65: None  
 FREIGHT BILL CLASSIFICATION: None

**Section 10: OTHER INFORMATION**

SPECIAL PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN!  
 HMIS Ratings (0=Minimal, 1= Slight, 2=Moderate, 3=Serious, 4=Severe Hazard)  
 Health: 1 Flammability 0 Reactivity: 0

N/A = Not Applicable N/E = Not Established

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