

**HAVILAND CONSUMER PRODUCTS, INC.**  
**421 Ann Street NW, Grand Rapids, MI 49504**

**ProTeam®**  
**MATERIAL SAFETY DATA SHEET**

INFORMATION ON THIS FORM IS FURNISHED SOLELY FOR THE PURPOSE OF COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND SHALL NOT BE USED FOR ANY OTHER PURPOSE USE OR DISSEMINATION OF ALL OR ANY PART OF THIS INFORMATION FOR ANY OTHER PURPOSE MAY RESULT IN A VIOLATION OF LAW OR CONSTITUTE GROUNDS FOR LEGAL ACTION

**SECTION I**

**MANUFACTURER'S NAME**  
HAVILAND CONSUMER PRODUCTS, INC.

**EMERGENCY TELEPHONE**  
CHEMTREC 1-800-424-9300

**TRADE NAME AND SYNONYMS**  
ProTeam® MUSTARD AND BLACK MAGIC

**CHEMICAL NAME AND SYNONYMS**  
BROMIDE SALT OF SODIUM – NATRIUM BROMIDE

**CHEMICAL FAMILY**  
INORGANIC BROMIDE COMPOUND

**FORMULA**  
NaBr

**SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

COMPONENT		HAZARD DATA
SODIUM BROMIDE	98%	EYE IRRITANT, MAY CAUSE SKIN IRRITATION
INERT	2%	(PEL OSHA PPM)

**SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>BOILING POINT</b> 2534°F	<b>SPECIFIC GRAVITY (H20-1)</b> 3.21
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<b>VAPOR PRESSURE (MM Hg.)</b> N/A	<b>VAPOR DENSITY (AIR=1)</b> N/A
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<b>SOLUBILITY IN WATER</b> SOLUBLE	<b>MELTING POINT</b> 1410°F
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<b>APPEARANCE AND ODOR</b> WHITE CRYSTALLINE OR SOLID/ODORLESS	<b>EVAPORATION RATE</b> (BUTYL ACETATE=1) – NOT AVAILABLE
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**SECTION IV – FIRE AND EXPLOSION HAZARDS**

<b>FLASH POINT (METHOD USED)</b> NONE	<b>FLAMMABLE LIMITS</b> NOT APPLICABLE
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**EXTINGUISHING MEDIA**  
USE EXTINGUISHING METHOD APPROPRIATE FOR SURROUNDING FIRES

**SPECIAL FIRE FIGHTING PROCEDURES – WEAR SELF CONTAINED BREATHING APPARATUS.**  
AVOID BREATHING FUMES

**UNUSUAL FIRE AND EXPLOSION HAZARDS**  
NONE KNOWN

**SECTION V – HEALTH HAZARD DATA**

**THRESHOLD LIMIT VALUE – NOT AVAILABLE**  
**TOXICITY – LD50 (ORAL RATS) – 4200MG/KG – LD50 (DERMAL RABBITS) – 2000 MG/KG**

**ROUTES OF ENTRY** – INHALATION, EYE CONTACT, SKIN CONTACT, INGESTION

**EFFECTS OF OVER-EXPOSURE**

EYE IRRITATION - SKIN NON-IRRITANT TO INTACT SKIN – INGESTION NOT EXPECTED TO BE ACUTELY TOXIC

**EMERGENCY AND FIRST AID PROCEDURES** – EYES: FLUSH WITH WATER FOR 15 MINUTES HOLDING LIDS OPEN, SEEK MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER FOR 15 MINUTES, WASH CONTAMINATED CLOTHING. INGESTION: DRINK 2 GLASSES OF WATER AND DO NOT INDUCE VOMITING, SEEK MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR, SEEK MEDICAL ATTENTION.

**SECTION VI – REACTIVITY DATA**

**STABILITY**

STABLE

**INCOMPATIBILITY** – STRONG ACID, BASES, OXIDIZING AGENTS, ALKALOIDAL AND HEAVY METAL SALTS

**HAZARDOUS DECOMPOSITION PRODUCTS**

INCLUDES BROMINE

**HAZARDOUS POLYMERIZATION**

WILL NOT OCCUR

**CONDITIONS TO AVOID**

HEATING OVER 800°C

**SECTION VII – PRECAUTIONS FOR SAFE HANDLING**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

SWEEP OR SHOVEL SPILLS INTO APPROPRIATE CONTAINER FOR DISPOSAL

**WASTE DISPOSAL METHOD**

IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL LAWS

**SECTION VIII – CONTROL MEASURES**

**RESPIRATORY PROTECTION**

USE IF MISTING OCCURS

**VENTILATION**

**LOCAL EXHAUST**

USE TO MINIMIZE DUST BELOW 10MG/M

**MECHANICAL** USE FOR GENERAL AREA CONTROL

**SPECIAL**

8 HOURS TWA

**OTHER** DUST RESPIRATOR

**PROTECTIVE GLOVES**

RUBBER GLOVES

**EYE PROTECTION**

CHEMICAL SAFETY GOGGLES

**OTHER PROTECTIVE EQUIPMENT**

LONG SLEEVED CLOTHING AND BOOTS

**SECTION IX – SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING** – KEEP CONTAINERS TIGHTLY CLOSED. STORE IN A COOL DRY PLACE.

**OTHER PRECAUTIONS** – SAFETY SHOWER AND EYE BATH SHOULD BE PROVIDED. DO NOT EAT OR DRINK UNTIL AFTER CLEANSING.

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