

**Safety Data Sheet**  
**Hot Shot Plus**

**SECTION I - IDENTIFICATION**

**PRODUCT IDENTIFIER:** Hot Shot Plus  
**PRODUCT CODE:** 139810200  
**RECOMMENDED USE:** Spot and Stain Remover  
**RESTRICTIONS ON USE:** None known.  
**COMPANY NAME:** Detail King  
**COMPANY ADDRESS:** 947A Old Frankstown Rd, Pittsburgh, PA 15239  
**COMPANY PHONE:** 1-888-314-0847  
**EMERGENCY PHONE:** 800-255-3924

**SECTION II – HAZARDS IDENTIFICATION**

**CLASSIFICATION:** Gases Under Pressure: Liquefied Gas

Eye Irritant: Category 2A

Skin Irritant: Category 2

Reproductive Toxicity: Category 2

**HAZARD STATEMENT(S): WARNING:** Contains gas under pressure; may explode if heated. Causes skin and serious eye irritation. May cause damage to the reproductive system through prolonged or repeated exposure.

This product contains the following percentage of chemicals of unknown toxicity: 0.0%

**PRECAUTIONARY STATEMENTS:** Protect from sunlight. Store in a well-ventilated place. Wash hands thoroughly after handling. Do not touch eyes. Wear protective gloves and eye protection. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. Avoid breathing fumes, mist, vapors, and spray. Use only outdoors or in a well-ventilated area. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. If swallowed: Immediately call a poison center or doctor. Specific treatment (see First Aid Measures section of this SDS). Do NOT induce vomiting. Obtain, read and follow all safety instructions before use. If exposed or concerned, get medical advice. Dispose of contents and container in accordance with local, state, and national regulations.

**SYMBOL:**



**HAZARDS NOT OTHERWISE CLASSIFIED:** N/A

**SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
2-Butoxyethanol	111-76-2	1-10%
Diethylene glycol monobutyl ether	112-34-5	1-10%
Propane/n-Butane	68476-86-8	1-10%
Sodium tetraborate decahydrate	1303-96-4	<1%

**Trade Secret Information:** A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

**SECTION IV - FIRST AID MEASURES**

**EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

**INGESTION:** If swallowed: Rinse mouth. Do NOT induce vomiting. Get medical advice or attention.

**INHALATION:** If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.

**SKIN:** If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

**ACUTE HEALTH HAZARDS:** Causes skin irritation. Eyes: Irritation, redness and tearing.

**CHRONIC HEALTH HAZARDS:** Skin disorders, drying and irritation of the skin. Suspected of damaging fertility or the unborn child.

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**NOTE TO PHYSICIAN:** There is no specific treatment regimen. Treatment of overexposure should be directed toward the control of symptoms and the clinical condition of the patient.

#### SECTION V – FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Carbon dioxide, foam, and water fog or spray.

**UNSUITABLE EXTINGUISHING MEDIA:** N/A

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear full protective clothing and NIOSH approved SCBA with full facepiece operated in positive pressure or pressure demand. Use water mist to keep material cool in fire situations.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Contents under pressure. Exposure to temperatures above 120 °F may cause bursting.

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon.

#### SECTION VI – ACCIDENTAL RELEASE MEASURES

**PERSONAL PROTECTIVE EQUIPMENT:** Refer to section VIII for proper Personal Protective Equipment.

**SPILL:** Clean up using cloth or absorbent material. Dispose of product-containing wiping cloth or absorbent paper in suitable manner. Place waste in proper containers for disposal.

**WASTE DISPOSAL:** Dispose of in accordance with local, state and federal regulations.

**RCRA STATUS:** Waste should be fully characterized prior to disposal (40 CFR 261).

#### SECTION VII – HANDLING AND STORAGE

**HANDLING AND STORAGE:** Store in a cool, dry area. Keep containers tightly closed and dry. Keep out of reach of children. Do not store near food, drink, or animal food.

**OTHER PRECAUTIONS:** None.

**INCOMPATIBILITY:** Strong acids.

#### SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
2-Butoxyethanol	50 ppm	20 ppm
Diethylene glycol monobutyl ether	Not Established	10 ppm
Propane/n-Butane	1000 ppm	1000 ppm
Sodium tetraborate decahydrate	15 mg/m <sup>3</sup> (total dust)	2 mg/m <sup>3</sup>

**ENGINEERING CONTROLS / VENTILATION:** General ventilation adequate.

**RESPIRATORY PROTECTION:** Wear NIOSH/MSHA approved organic vapor respiratory protection if listed exposure limits (Section VIII) are exceeded.

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses/goggles and chemical resistant gloves.

**ADDITIONAL MEASURES:** Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.

#### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear, colorless spray.

**ODOR:** Glycol odor.

**ODOR THRESHOLD:** N/D

**pH:** N/D

**MELTING POINT/FREEZING POINT:** N/D

**INITIAL BOILING POINT AND BOILING RANGE:** N/D

**FLASH POINT:** N/D

**EVAPORATION RATE:** N/D

**FLAMMABILITY (solid/gas):** Not considered a flammable aerosol by OSHA (29CFR 1910.1200).

**UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:**

**LOWER FLAMMABILITY LIMIT:** N/D

**UPPER FLAMMABILITY LIMIT:** N/D

**EXPLOSIVE LIMIT LOWER (%):** N/D

**EXPLOSIVE LIMIT UPPER (%):** N/D

**VAPOR PRESSURE (mm Hg):** Not Established

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**VAPOR DENSITY (AIR=1):** N/D  
**SPECIFIC GRAVITY:** 0.90-0.94  
**SOLUBILITY(IES):** 100% water.  
**PARTITION COEFFICIENT: n-OCTANOL/WATER (K<sub>ow</sub>):** N/D  
**AUTOIGNITION TEMPERATURE:** N/D  
**DECOMPOSITION TEMPERATURE:** N/D  
**VISCOSITY:** N/D

#### SECTION X – STABILITY AND REACTIVITY

**REACTIVITY:** Chemically active metals and acids.  
**CHEMICAL STABILITY:** Stable.  
**POSSIBLE HAZARDOUS REACTIONS:** None known.  
**CONDITIONS TO AVOID:** None known.  
**INCOMPATIBLE MATERIALS:** Strong acids.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon and nitrogen.

#### SECTION XI – TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** **2-Butoxyethanol** (111-76-2): LD<sub>50</sub> (Oral, Rat) 320 mg/kg; LD<sub>50</sub> (Dermal, Rabbit) 440 mg/kg; LC<sub>50</sub> (Inhalation, Mice, 4h) 700 ppm. **Propane** (74-98-6): LC<sub>50</sub> (Inhalation, Rat, 4h) 658 mg/L. **n-Butane** (106-97-8): LC<sub>50</sub> (Inhalation, Rat, 4h) 30957 mg/m<sup>3</sup>. **Sodium tetraborate decahydrate** (1303-96-4): LD<sub>50</sub> (Oral, Rat) 5560 mg/kg; LD<sub>50</sub> (Dermal, Rabbit) > 2000 mg/kg; LC<sub>50</sub> (Inhalation, Rat) > 2.0 mg/L.  
**ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation, Skin  
**EYES:** Causes irritation, burning, redness, tearing.  
**INGESTION:** Causes gastrointestinal irritation, nausea, vomiting, abdominal cramps.  
**INHALATION:** May cause dizziness if used in confined space.  
**SKIN:** Causes severe irritation, dryness, cracking.  
**MEDICAL CONDITION AGGRAVATED:** None known.  
**ACUTE HEALTH HAZARDS:** Causes skin irritation. Eyes: Irritation, redness and tearing.  
**CHRONIC HEALTH HAZARDS:** Skin disorders, drying and irritation of the skin. May cause damage to the reproductive system through prolonged or repeated exposure.  
**CARCINOGENICITY:** **OSHA:** Not classified. **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** No

#### SECTION XII – ECOLOGICAL INFORMATION

**ECOTOXICITY:** **Diethylene glycol n-butyl ether** (112-34-5): LC<sub>50</sub> (*Lepomis macrochirus*, 96h) 1,300 mg/L; LC<sub>50</sub> (*Pseudomonas putida*, 16h) 1,170 mg/L; EC<sub>50</sub> (*Daphnia magna*, 48h) > 1000 mg/L; EC<sub>50</sub> (*Scenedesmus* sp., 72h) > 100 mg/L. **Butoxyethanol** (111-76-2) Toxic to aquatic life only in high concentrations, lethal concentrations not available. **Sodium tetraborate decahydrate** (1303-96-4): LC<sub>50</sub> (*Pimephales promelas*) 708 mg/L; EC<sub>50</sub> (*Ceriodaphnia dubia*) 1000 mg/L, NOEC (*Micropterus salmoides*) 26 mg/L; NOEC (*Daphnia magna*) 50 mg/L.  
**PERSISTENCE AND DEGRADABILITY:** This product is biodegradable.  
**BIOACCUMULATIVE POTENTIAL:** This product is not expected to bioaccumulate.  
**MOBILITY IN SOIL:** This product is mobile in soil.  
**OTHER ADVERSE EFFECTS:** None known.

#### SECTION XIII – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of in accordance with local, state and federal regulations.  
**RCRA STATUS:** Waste should be fully characterized prior to disposal (40 CFR 261).

#### SECTION XIV - TRANSPORT INFORMATION

**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.  
**HAZARD CLASS/DIVISION:** 2.2  
**UN/NA NUMBER:** UN1950  
**PACKING GROUP:** None

**AIR SHIPMENT**

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**PROPER SHIPPING NAME:** Aerosols.  
**HAZARD CLASS/DIVISION:** 2.2  
**UN/NA NUMBER:** UN1950  
**PACKING GROUP:** N/A

#### SHIPPING BY WATER:

##### VESSEL (IMO/IMDG)

**PROPER SHIPPING NAME:** Aerosols.  
**HAZARD CLASS/DIVISION:** 2.2  
**UN/NA NUMBER:** UN1950  
**PACKING GROUP:** N/A

**ENVIRONMENTAL HAZARDS WATER:** N/A

## SECTION XV - REGULATORY INFORMATION

**TSCA STATUS:** All chemicals are listed or exempt.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** None.

**SARA 311/312 HAZARD CATEGORIES:** None.

**SARA 313 REPORTABLE INGREDIENTS:** None.

**STATE REGULATIONS:** **Diethylene glycol n-butyl ether** (112-34-5): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: PA, NJ. **2-Butoxyethanol** (111-76-2): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, PA, RI. **Sodium tetraborate decahydrate** (1303-96-4): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, PA, RI.

**INTERNATIONAL REGULATIONS:** **Diethylene Glycol n-Butyl Ether** (112-34-5): European Union - EINECS, Australia - AICS, Japan - ENCS, Korean - ECL, (WHMIS) Canada **2-Butoxyethanol** (111-76-2) Europe (EINECS), Japan (ENCS), Australia (AICS), WHMIS (Canada), DSCL (EEC), NDSL, Korea (ECL), Philippines (PICCS), New Zealand (NZIOC), China (IECS).

**VOLATILE ORGANIC COMPOUNDS (VOC):** 8.7%

**NFPA HEALTH:** 1  
**NFPA FLAMMABILITY:** 1  
**NFPA REACTIVITY:** 0  
**NFPA OTHER:** None

**HMIS HEALTH:** \*1  
**HMIS FLAMMABILITY:** 1  
**HMIS REACTIVITY:** 0  
**HMIS PROTECTION:** B

## SECTION XVI - OTHER INFORMATION

**PREPARATION BY:** Craig Bernard

**DATE PREPARED:** 02/05/2015

**REVISION DATE:** N/A

N/A = Not Applicable; N/D = Not Determined

**DISCLAIMER:** To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.