

# BULL DOG

MILITARY TACTICAL EQUIPMENT CLEANER,  
DEGREASER AND OPTICAL SHEEN DISPERSANT

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Bull Dog Military Tactical Equipment Cleaner,  
Degreaser and Optical Sheen Dispersant

**DATE PREPARED:** 5/23/2018

**SUPERCEDED DATE:** 10/29/2018

**PRODUCT NUMBER:** 586

**MANUFACTURER:** Industrial Chemical Solutions  
4025 Highway 35 North  
Columbia, MS 39429  
(601) 522-2997

**INFORMATION:** Product Research and Development Department

**EMERGENCY TELEPHONE NUMBER:** CHEMTREC 1-800-424-9300 Intl. +1 703-527-3887

## 2. HAZARD IDENTIFICATION

**SIGNAL WORD:** Not applicable

**HAZARD CLASSIFICATION:** Not applicable

**POTENTIAL HEALTH EFFECT:** Not applicable

**ROUTE OF EXPOSURE:** Not applicable

**GHS HEALTH CLASSIFICATION:** Not applicable

**GHS LABEL ELEMENTS:**

**P264** - Wash thoroughly after handling.

**P305+P351+P338** - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

**P337+P313** - IF eye irritation persists: Get medical advice/attention.

**PRECAUTIONARY STATEMENT:** May irritate eyes

**ADDITIONAL INFORMATION:** ICS advocates good personal hygiene and safety on workplace labels and SDS. Safety glasses are a standard practice beyond a certain point of entry in industry. Safety glasses and safety shields help prevent sawdust, metal grindings, etc. from getting into operator's eyes. Face shields help prevent splash back of hot water, grease, sand, dirt, gravel and/or chemical from getting into eyes and on face.

## 3. COMPOSITION IDENTIFICATION

Mixture of the substances listed below with non-hazardous additions.

**INGREDIENTS:**

**C.A.S. NUMBER:**

**PERCENT:**

Water

7732-18-5

< 80%\*

L-Glutamic acid,

N,N-diacetic acid tetrasodium salt

51981-21-6

10-15%\*

Ethoxylated Alcohol

Trade Secret

6-10%\*

Sodium Xylene Sulfonate

1300-72-7

< 4%\*

Citric Acid Anhydrous

77-92-9

< .140%\*

**ADDITIONAL INFORMATION:** Product ingredients meet the EPA Safer Choice Direct Release criteria.

\*Specific percentages of composition are being withheld as a trade secret.

#### 4. FIRST AID MEASURES

**SKIN CONTACT:** Not expected to cause skin irritation. If it occurs, wash with plenty of soap and water.

**EYE CONTACT:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**INGESTION:** Clean mouth with water and drink plenty of water afterwards. Do NOT induce vomiting. Get medical attention if health effects occur.

**INHALATION:** Move person to fresh air. If breathing becomes difficult, seek medical attention.

#### 5. FIRE FIGHTING MEASURES

**FLAMMABLE PROPERTIES:** Non-flammable

**FLASH POINT:** Does not flash

**SUITABLE EXTINGUISHING MEDIA:** Dry chemical, foam or carbon dioxide, water spray

**UNSUITABLE EXTINGUISHING MEDIA:** Not established

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:** Not established

**PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:** Wear approved self-contained breathing apparatus and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Spill area will be slippery. Wear proper protective equipment when dealing with spills or release.

**ENVIRONMENTAL PRECAUTIONS:** Product ingredients meet the EPA Safer Choice Direct Release criteria.

**METHODS FOR CONTAINMENT AND CLEAN-UP:** Collect liquid with an inert absorbent and transfer to container for reuse or disposal.

#### 7. HANDLING AND STORAGE

**HANDLING:** Handle with care. Use protective glasses or goggles if splashing or spray back is likely. Wash thoroughly after handling.

**STORAGE:** Store in approved containers. Keep container tightly closed when not in use. Keep in a cool dry area. If separation occurs, mix the product for reconstitution.

#### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**THRESHOLD LIMIT VALUE (TLV):** Contains no substances with occupational exposure limit values.

**ENGINEERING CONTROLS:** Ventilation equipment is required if mist levels are high.

**EYE/FACE PROTECTION:** Use protective glasses or goggles if splashing or spray back is likely.

**SKIN PROTECTION:** Use protective gloves for prolonged skin contact or if dermally sensitive.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**VISCOSITY:** Not established

**APPEARANCE:** No dye

**RELATIVE DENSITY:** 9.20 lbs/gal

**SPECIFIC GRAVITY:** 1.10

**ODOR:** No added fragrance

**SOLUBILITY:** Soluble

**FREEZING POINT:** 32°F

**PH:** ≤ 11.5

**FLASH POINT:** None

## 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** This product is stable under recommended storage and handling conditions (see section 7). It is not self-reactive and is not sensitive to physical impact.

**CONDITIONS TO AVOID:** No unusual conditions

**INCOMPATIBLE MATERIALS:** None known

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known

## 11. TOXICOLOGICAL INFORMATION

**EYE IRRITATION/CORROSION:** May cause eye irritation

**EFFECTS OF SHORT-TERM EXPOSURE:** No known effects when used as directed

**INGESTION:** The oral LD<sub>50</sub> is expected to be greater than 5,000 mg/kg (rat)

## 12. ECOLOGICAL IDENTIFICATION

**ECOTOXICITY:** Product ingredients meet the EPA Safer Choice Direct Release criteria.

**PERSISTENCE AND DEGRADABILITY:** Readily Biodegradable [closed bottle Test and test with inoculum from Maas & Rhine rivers] inherently and ultimately biodegradable [Zahn-Wellens Test]

**BIOACCUMULATION/ACCUMULATION:** Bioaccumulation is unlikely.

## 13. DISPOSAL CONDITIONS

In its unused condition, this product is not considered to be a RCRA-defined hazardous waste by characteristics or listings. It is the responsibility of the waste generator to evaluate whether his wastes are hazardous by characteristic or listing. Dispose in accordance with all local, state and federal regulations. NOTE: state and local regulations may be more stringent than federal regulations.

## 14. TRANSPORTATION INFORMATION

**GROUND SHIPPING INFORMATION:** Not regulated by DOT

**WATER SHIPPING INFORMATION:** Not regulated by DOT

**AIR SHIPPING INFORMATION:** Not regulated by DOT

## 15. REGULATORY INFORMATION

**U.S. FEDERAL REGULATIONS:**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** All components listed on TSCA inventory.

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):**

<b>313 REPORTABLE INGREDIENTS:</b>	<b>C.A.S. NUMBER:</b>	<b>PERCENT:</b>
Not established		

**STATE REGULATIONS:** California Proposition 65 - This product does not contain any chemicals currently listed.

**INTERNATIONAL REGULATIONS:** Non-regulated

**SECTION 15 NOTES:** None

## 16. OTHER INFORMATION

**PHONE NUMBER:** (601) 522-2997

**DATE OF PREPARATION:** 5/23/2018

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