

# DEFENSE SURFACE SPRAY

TOPICAL SOLUTION | DO NOT DILUTE READY-TO-USE 80% ALCOHOL

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Defense Surface Spray Topical Solution | Do Not Dilute Ready-to-Use 80% Alcohol

**DATE PREPARED:** 3/24/2020

**SUPERCEDED DATE:** 9/1/2023

**PRODUCT NUMBER:** 602

**PRODUCT NUMBER:** Surface Spray

**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:** DANGER

**HAZARD CLASSIFICATION:** Harmful if swallowed. Flammable liquid.

**POTENTIAL HEALTH EFFECT:** Ingestion and eye contact

**ROUTE OF EXPOSURE:** Skin contact, eye contact, ingestion, inhalation

**GHS HEALTH CLASSIFICATION:** Not established

**GHS CLASSIFICATION:** Flammable Liquid Category 2

Specific Target Organ Systemic Toxicity - Single Exposure Category 1

Acute Toxicity, Oral Category 4

**GHS SIGNAL WORD:** DANGER

**GHS HAZARD STATEMENTS:**

**H225** - Highly flammable liquid and vapor.

**H302** - Harmful if swallowed.

**H370** - Causes damage to organs.

**GHS PRECAUTIONARY STATEMENTS:**

**P210** - Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking.

**P233** - Keep container tightly closed.

**P240** - Ground/bond container and receiving equipment.

**P241** - Use explosion-proof electrical/ventilating/lighting/equipment, etc.

**P242** - Use only non-sparking tools.

**P243** - Take precautionary measures against static discharge.

**P260** - Do NOT breathe dust/fume/gas/mist/vapors/spray.

**P264** - Wash hands and exposed body parts thoroughly after handling.

**P270** - Do NOT eat, drink or smoke when using this product.

**P280** - Wear protective gloves/protective clothing/eye protection/face protection.

**P302+352** - IF ON SKIN: wash with plenty of water.

**P303+361+353** - IF ON SKIN (or hair): Take off Immediately all contaminated clothing.



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Rinse SKIN with water [or shower].

**P307+P311** - IF exposed: call a POISON CENTER or doctor/physician.

**P321** - Specific treatment (see supplemental first aid instructions on this label).

**P330** - Rinse mouth.

**P370+P378** - In case of fire: Use dry sand, dry chemical or alcohol resistant foam to extinguish.

**P403+P378** - Store in a well-ventilated place. Keep cool.

**P501** - Dispose of contents/container to an approved waste disposal plant.

**SAFETY PRECAUTIONS:** Keep away from heat/sparks/open flames/hot surfaces. No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools.

### 3. COMPOSITION IDENTIFICATION

INGREDIENTS:	C.A.S. NUMBER:	PERCENT:
Ethyl Alcohol	64-17-5	80%
Isopropanol Alcohol	67-63-0	2%
Propylene Glycol	57-55-6	2%
Surfactant	Proprietary	< .0025%
Deodorant	Proprietary	< .0025%
Tint	Proprietary	< .0025%

### 4. FIRST AID MEASURES

**SKIN CONTACT:** Wash off with soap and plenty of water. Consult a physician.

**EYE CONTACT:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**INGESTION:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**INHALATION:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE PROPERTIES:** Flammable

**SUITABLE EXTINGUISHING MEDIA:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**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:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**ENVIRONMENTAL PRECAUTIONS:** Prevent further leakage or spillage if safe to do so. Do NOT let product enter drains.

**METHODS FOR CONTAINMENT AND CLEAN-UP:** Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

## 7. HANDLING AND STORAGE

**HANDLING:** Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition. No smoking. Take measures to prevent the build-up of electrostatic charge.

**STORAGE:** Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**THRESHOLD LIMIT VALUE (TLV):** None established

**ENGINEERING CONTROLS:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**EYE/FACE PROTECTION:** Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards.

**SKIN PROTECTION:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**RESPIRATORY PROTECTION:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**VISCOSITY:** Not established

**APPEARANCE:** Blue

**RELATIVE DENSITY:** 7.4 lbs/gal

**SPECIFIC GRAVITY:** 0.887

**ODOR:** Lavender

**SOLUBILITY:** Soluble

**BOILING POINT:** Not established

**VAPOR PRESSURE:** Not established

**VAPOR DENSITY:** Not established

**FREEZING POINT:** Not established

**DECOMPOSITION TEMPERATURE:** Not established

**PH:** Not applicable

**PARTIAL COEFFICIENT N-OCTANOL/WATER:** Not established

**EVAPORATION RATE:** Not established

**FLASH POINT:** Not established

**LOWER FLAMMABILITY/EXPLOSIVE LIMIT:** None known

**UPPER FLAMMABILITY/EXPLOSIVE LIMIT:** None known

**AUTO-IGNITION TEMPERATURE:** None known

## 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable under recommended storage conditions

**CONDITIONS TO AVOID:** Heat, flames and sparks; extremes of temperature and direct sunlight

**INCOMPATIBLE MATERIALS:** No data available.

**HAZARDOUS DECOMPOSITION PRODUCTS:** In the event of fire: see section 5.

## 11. TOXICOLOGICAL INFORMATION

**EYE IRRITATION/CORROSION:** Not established

**EFFECTS OF SHORT-TERM EXPOSURE:** Ingestion causes damage to organs.

**INGESTION:** Causes damage to organs

**SKIN:** Contact may cause skin irritation including redness, burning and drying/cracking of the skin.

## 12. ECOLOGICAL IDENTIFICATION

**ECOTOXICITY:** Not established

**PERSISTENCE AND DEGRADABILITY:** Information not available

**BIOACCUMULATION/ACCUMULATION:** Not established

## 13. DISPOSAL CONDITIONS

Use all local, state and federal laws when disposing of material.

## 14. TRANSPORTATION INFORMATION

**GROUND SHIPPING INFORMATION:**

UN1993, FLAMMABLE LIQUIDS, N.O.S., (ETHANOL), 3, PGII.

**WATER SHIPPING INFORMATION:**

UN1993, FLAMMABLE LIQUIDS, N.O.S., (ETHANOL), 3, PGII.

**AIR SHIPPING INFORMATION:**

UN1993, FLAMMABLE LIQUIDS, N.O.S., (ETHANOL), 3, PGII.

## 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):**

**313 REPORTABLE INGREDIENTS:**                      **C.A.S. NUMBER:**                      **PERCENT:**

Not established

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

**INTERNATIONAL REGULATIONS:** Not established

**SECTION 15 NOTES:** None

## 16. OTHER INFORMATION

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

**DATE OF PREPARATION:** 03/24/2020

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