

VETERAN BRAND

IMPACT II

All Natural Citrus Cleaner

Impact II is a highly concentrated, yet economical and environmentally safe, all surface cleaner, degreaser, deodorizer, and grime remover.

The biodegradable formula contains no petroleum distillates or chlorinated solvents, and is **USDA approved**. The composition easily mixes with water and is non-acidic, non-caustic, and non-corrosive.

This unique and highly versatile product can be used as directed on: concrete, walls, brick, vinyl, ceramic, porcelain, plastic, tools, machinery, rugs, carpets, sinks, urinals, floors, grease traps, laundry, fabric, upholstery, fiberglass, grills, exhaust hoods, trash receptacles, or any surface in which you find grease, oil, tar, adhesive, and gum stains.

For light duty cleaning of walls, floors, and general surfaces: mix 1 part Impact II with 20 parts water. Rinse with clean water.

For medium cleaning of restrooms and kitchens: mix 1 part Impact II with 10 parts water. Rinse with clean water.

For heavy duty degreasing of machinery and engine blocks, mix 1 part Impact II with 2-5 parts water. Rinse with clean water.

Longer soaking times or a repeat application at a stronger concentration may be necessary depending on the amount of soil that is being lifted. Always test product in an inconspicuous area before applying to carpets, rugs, or clothing.

12-quart case:

Stock # 997390

NSN # 7930-01-398-1001

5 gallon pail:

Stock # 997135

NSN # 7930-01-398-0999

55 gallon drum:

Stock # 997025

NSN # 7930-01-398-1000

PRODUCT SPECIFICATIONS

Active Ingredients:	50.0 ± 0.5%	Fumes:	None
Color:	Orange	Solubility:	Complete
Odor:	Orange	Emulsification:	Excellent
Base:	100% natural citrus solvent	Detergency:	Excellent
pH:	13.0 - 13.5	Rinsability:	Excellent
Viscosity:	Slightly viscous	Biodegradability:	Complete
Foam:	Moderate	Storage/Stability:	2 years
Abrasives:	None	Weight per Gallon:	8.15 lbs./gal.
Phosphate Content:	None	Freeze / Thaw Stability:	Keep from freezing



Cavalier Inc.

PO Box 11171 Norfolk, Va. 23517
Phone: 757-855-6091 Fax: 757-855-1818

www.cavalierva.com

MATERIAL SAFETY DATA SHEET

N/A= Not Applicable

Prepared by: Regulatory Affairs Dept.

(Prepared According to 29 CFR 1910.1200)

Effective Date: 1/09 Revision: n/a

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: Impact II Generic Name: All Natural Citrus Cleaner Chemical Family: Solvent Detergent Blend Formula: Proprietary	Supplier's Name: Cavalier, Inc. Supplier's Address: PO Box 11171 Norfolk, Va. 23517 Supplier's Phone #: Phone: 757-855-6091 Fax: 757-855-1818
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SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Citrus Terpenes (d'limonene)	5989-27-5	10 to 20			
Nonionic Surfactant	68412-54-1	0 to 5			
Nonionic Surfactant	9016-45-9	0 to 5			
2-butoxyethanol	111-76-2	5 to 10			
Potassium Oleate	143-18-0	5 to 10			
Dye	N/A	0 to 5			

SECTION 3-PHYSICAL DATA

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Boiling Point (°F): 300 F. Initial Vapor Pressure: 25mm Hg @ 68 F. % Volatile: 90+ Solubility in Water: Emulsifies VOC Content Information: % VOC = 23.0 Physical Description: Slightly viscous orange liquid with pleasant odor.	Specific Gravity: .979 Vapor Density (Air=1): >1 pH: 13.0 – 13.5 Evaporation Rate (Water=1): <1 1.9 lb/gal 223.4 gm/l	Flash Point (Method Used): 118 F. (TCC) Upper Explosion Limit: 6 Lower Explosion Limit: 1 Extinguishing Media: CO ₂ , Dry Foam, Halon, Water Special Firefighting Procedures: Water is very effective. Unusual Fire and Explosion Hazards: Drums heated by fire can explode.
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SECTION 5-REACTIVITY DATA

Stability: Stable Hazards Decomposition Products: Carbon monoxide possible if burned.	Hazardous Polymerization: None Incompatibility (Materials to Avoid): None known.
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SECTION 6-STORAGE AND HANDLING INFORMATION

Combustible liquid – Avoid contact with heat, spark or open flame. Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Wear protective gloves and eyewear when using. Avoid breathing of vapors or mists. Use in well-ventilated area.

SECTION 7-HEALTH HAZARDS AND FIRST AID

SECTION 8-SPECIAL PROTECTION INFORMATION

Effects of Overexposure:
Skin: Defatting to skin with prolonged or repeated contact. May lead to dryness and/or dermatitis.
Eyes: Eye irritant. May cause redness, burning, or tearing.
Inhalation: Vapors and mists may be irritating to mucous membranes in the nose, throat, and lungs.
Ingestion: May be irritating to the mouth, throat, and gastrointestinal system.
First Aid Procedures:
Skin: Flush with water. Seek medical attention if irritation persists.
Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention if attention persists.
Inhalation: Get to fresh air. Seek medical attention if irritation persists.
Ingestion: Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

Respiratory Protection: Use in well-ventilated area.
Ventilation Requirements: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.
Protective Gloves: Chemical resistant rubber or neoprene.
Eye Protection: Safety glasses or chemical splash goggles.
Other Protective Equipment: Eyewash should be available nearby.

SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Shut off all ignition sources in area. Ventilate area well. Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.
Waste Disposal Method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

SECTION 10-REGULATORY INFORMATION

SARA Title III - Section 311/312 -Hazard Categories: Yes - Fire Hazard No - Sudden Release of Pressure Hazard No - Reactivity Hazard Yes - Immediate (acute) Health Hazard No - Delayed (chronic) Health Hazard	Shipping Information: FOR CONTAINERS > 1 Gallon : Cleaning Compound FOR 1 GALLON CONTAINERS : Cleaning Compound FOR CONTAINERS < 1 GALLON : Cleaning Compound
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HMIS Hazardous Materials Identification System

Health	2
Flammability	2
Reactivity	0
Personal Protection	B

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product