



ForceField® Leather Cleaner and Conditioner

SAFETY DATA SHEET

SECTION 1 – CHEMICAL AND COMPANY IDENTIFICATION:

Product Name: Leather Cleaner and Conditioner	Date Printed: 10/2/2018
Product Use/Class: Aqueous Surfactant Emulsion Blend	Product ID: F LCC
Supplier: Shield Industries, Inc.	Manufacturer: Shield Industries, Inc.
Address: 131 Smokehill Lane Woodstock, GA 30188 - USA	Address: 131 Smokehill Lane Woodstock, GA 30188 - USA
Telephone: 770-517-6869	24 Hour Emergency Hotline: 800-535-5053

SECTION 2 – HAZARD IDENTIFICATION:

Physical hazards:	Not applicable	-----
Health hazards:	Eye damage	Category 1
	Skin irritation	Category 2
	Skin sensitivity	Category 1
	Respiratory sensitivity	Category 1

OSHA defined hazards: Not classified.

Label elements:



Signal word: Danger

Hazard statement Causes skin irritation. (H315)
May cause an allergic skin reaction. (H317)
Causes serious eye irritation. (H319)
May cause allergy or asthma symptoms or breathing difficulties if inhaled. (H334)

Precautionary statements:

Prevention: Wear protective gloves/protective clothing/eye protection/face protection. (P280)
Wash hands and exposed skin thoroughly after handling. (P264)
Avoid breathing vapours. (P261)

In case of inadequate ventilation wear respiratory protection. (P285)
Avoid release to the environment. (P273)
Do not eat, drink, or smoke when using this product. (P270)
Avoid breathing dust/fume/gas/vapors/spray. (P261)
Contaminated work clothing should not be allowed out of the workplace. (P272)

Response: IF SWALLOWED: Get medical advice/attention. (P301 + P313)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305 + P351 + P338)

Storage: Keep out of reach of children. (P102)

Disposal: Dispose of contents/container to an approved waste disposal plant. (P501)

Hazard(s) not otherwise classified (HNOC): None.

Supplemental information: None.

SECTION 3 COMPOSITION/INFORMATION ON COMPONENTS

<u>COMPONENTS</u>	<u>CAS NUMBER</u>	<u>%</u>
Water	7753-18-7	> 60 %
Lubricants, waxes, surfactants, other.	Mixture	> 15 %
Distillates (petroleum) Hydrotreated middle	64742-46-7	< 4 %
2-Butoxyethanol	111-76-2	< 1.5 %
Gluteraldehyde	111-30-8	< 0.1 %
Proprietary dye blend	(mixture)	< 0.1 %

* Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Additional Information:

Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below:
None

SECTION 4 FIRST AID MEASURES

Inhalation: If breathing is difficult, move person to fresh air and keep at rest in a position comfortable for breathing. If breathing is labored, administer oxygen. If symptoms persist, contact a POISON CENTER or doctor/physician.

Skin contact: If on skin, wash thoroughly with soap and water. If on clothes, remove clothing and wash before reuse. Get medical attention if irritation develops and persists.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Keep eyes wide open and continue rinsing for several minutes. Get medical attention if irritation develops and persists.

Ingestion: Call a physician (or poison control center) immediately. Never give anything by mouth to an unconscious person. If conscious rinse mouth with water. Seek medical attention immediately and follow instructions.

Most important symptoms/effects, acute and delayed:

Can cause eye irritation. May cause an allergic skin reaction. May cause respiratory irritation.

Indication of immediate medical attention and special treatment needed:

If ingested: Immediately seek medical attention. Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information:

More affected persons from dangerous area. Do not leave victim unattended. Ensure that medical personnel are aware of the material(s) involved. Show this safety data sheet to the doctor in attendance.

SECTION 5 FIRE FIGHTING MEASURES

Suitable extinguishing media:

Non-combustible. Use media appropriate for surrounding fire.

Unsuitable extinguishing media:

None known.

Specific hazards arising from the chemical:

Combustion or thermal decomposition may evolve toxic and/or irritant vapours. Forms fumes of oxides of Carbon, Silicon, and formaldehyde.

Special protective equipment and precautions for firefighters:

Firefighters must use standard protective equipment appropriate for surrounding fire.

Fire-fighting equipment/instructions:

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour pressure build up.

Specific methods:

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

General fire hazards:

None known.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe vapours. Avoid contact with skin and eyes. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Contaminated clothing should not be allowed out of the workspace.

Environmental precautions:

Hazardous to aquatic organisms. Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground. Prevent further leakage or spillage if safe to do so. Inform appropriate managerial or supervisory personnel and authorities of all environmental releases.

Methods and materials for containment and cleaning up:

Contain spillages and then collect with sand, earth, diatomaceous earth, vermiculite, or any other suitable adsorbent material. Collect spillage. Transfer to a container for disposal or recovery. Following product recovery, flush area with water. If possible prevent water running into sewers. For waste disposal, see section 13 of the SDS.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with skin and eyes. Wear appropriate personal protective equipment. Avoid breathing mist/vapours/sprays. In case of inadequate ventilation wear respiratory protection. Smoking, eating and drinking should be prohibited in the application area. When opening containers, do so slowly, to vent slight pressure that may build up after prolonged storage. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Advice on protection against fire and explosion:

None – Product is non-combustible

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place. Keep cool. Do not store at temperatures above 50° C. Protect from sunlight. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Avoid storing in the presence of oxidizing agents, reducing agents, strong acids or bases.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits:

U.S. ACGIH Threshold Limit Values

Components	CAS	Type	Value
2-Butoxyethanol	111-76-2	PEL	50 ppm
		TLV	20 ppm
Glutaraldehyde	111-30-8	TLV	0.05 ppm

U.S. NIOSH: Pocket Guide to Chemical Hazards

Components	CAS	Type	Value
2-Butoxyethanol	111-76-2	TWA	5 ppm
Glutaraldehyde	111-30-8	TWA	0.20 ppm

Appropriate engineering controls:

Not normally required.

Individual protection measures, such as personal protective equipment:

Eye/face protection:

Wear safety glasses with side shields (or goggles) where splashing is likely.

Hand protection:

Wear appropriate chemical resistant gloves to minimize physical contact (Butyl rubber, Neoprene, or Natural rubber). Check with protective equipment manufacturer's data.

Skin protection/Other:

Not normally required.

Respiratory protection:

Not normally required. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

Thermal hazards:

Not normally required.

Environmental exposure controls:

Do not allow to enter drains, sewers or waterways. Avoid release to the environment.

General hygiene considerations:

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Physical state: Water emulsifiable liquid
Form: Creamy liquid emulsion
Color: Opaque yellow-green emulsion

Odor: Characteristic, mild butyl ester

Odor threshold: Not available.

pH: 6.7 – 7.3

Melting point/freezing point: 0°C estimated

Initial boiling point and boiling range > 85°C estimated

Flash point: Non-combustible

Evaporation rate: 1 (water = 1) estimated

Flammability (solid, gas): Not applicable.

Upper/lower flammability or explosive limits:

Flammability limit – lower (%): Not available.

Flammability limit – upper (%): Not available.

Explosive limit - lower (%): Not available.

Explosive limit - upper (%): Not available.

Vapor pressure: Not available.

Explosive properties: Not explosive.

Oxidizing properties: Not oxidizing.

Relative Vapor density: Not available.

Relative density: 1.00 +/- 0.02

Solubility (water): Dispersible

Partition coefficient (n-octanol/water): Not available.

Auto-ignition temperature: Not applicable.

Decomposition temperature: Not available.

Viscosity (kinematic cSt @ 40 °C): Not determined.

Other information:

VOC: < 0.3 %

LVP: 0.0 %

SECTION 10 STABILITY AND REACTIVITY

Reactivity:

The product is stable and non-reactive under normal ambient conditions of use, storage and transport.

Chemical stability:

Material is stable under normal conditions.

Possibility of hazardous reactions:

None anticipated.

Conditions to avoid:

Avoid contact with heat, ignition sources, and incompatible materials.

Incompatible materials:

Strong oxidizing or reducing agents. Strong acids or bases.

Hazardous decomposition products:

At temperatures over 200 C, or under fire conditions, thermal decomposition will evolve toxic and irritant vapours. Forms: oxides of carbon, silicon, and formaldehyde.

SECTION 11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation: Vapours may cause mild irritation to respiratory tract.

Skin contact: May cause skin irritation and/or dermatitis.

Eye contact: May cause irritation to the eyes

Symptoms related to the physical, chemical and toxicological characteristics:

May cause irritation of nose and throat. Eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and/or rash.

Information on toxicological effects:

Acute toxicity:

Components	CAS#	Test	Species	Test Results
2-Butoxyethanol	111-76-2	Oral LDLo	Rat	1,746 mg/kg
		Dermal LD0	Rabbit	>1,200 mg/kg
		Inhalation LC0	Rat	> 691 ppm (1 hr)
Glutaraldehyde	111-30-8	Oral LD50	Rat	316 mg/kg
		Dermal LD50	Rabbit	>2,200 mg/kg
		Inhalation LC50	Rat	0.48 mg/l (4 hr)

Skin corrosion/irritation: Causes skin irritation and/or dermatitis.

Serious eye damage/eye irritation: Causes serious eye irritation.

Respiratory or skin sensitization:

Respiratory sensitization: Vapours may cause irritation.

Skin sensitization: This product is not expected to cause skin sensitization.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: 2-Butoxyethanol (CAS 111-76-2) has been determined by ACGIH to be a confirmed animal carcinogen. No current data on humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):
Not listed.

Repeated dose toxicity:

Components	CAS#	Test	Species	Test Results
2-Butoxyethanol	111-76-2	Oral NOAEL	Rat	<69 mg/kg/day
		Dermal NOAEL	Rabbit	>150 mg/kg/day
		Inhalation NOAEL	Rat	<31 ppm (1 hr)

Specific target organ toxicity - single exposure:
No data.

Teratogenicity:
No data.

Aspiration hazard:
No data.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity: No data available, however compounds within this product have been identified as toxic to aquatic life and/or harmful to aquatic life with long-lasting effects.

Acute Toxicity:

Components/CAS	Test	Species	Test Results
2-Butoxyethanol	LC50	fish	1,464 mg/l (96 hr.)
111-76-2	EC50	aquatic invertebrete	1,800 mg/l (48 hr.)
	EC50	algae	911 mg/l (72 hr.)

Long Term Toxicity:
No data available.

Persistence and degradability:
Readily biodegradable.

Bioaccumulative potential:
No data available.

Mobility in soil:
No data available.

Results of PBT and vPvB assessment:

Not classified as PBT or vPvB.

Other adverse effects:

No data available.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment/disposal instructions:

Disposal should be in accordance with local, state, or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

Waste from residues / unused products:

Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. Dispose of in accordance with federal, state and local regulations.

Contaminated packaging:

Exercise caution as empty containers or liners may retain some product residues. Do not re-use empty containers. Dispose of empty containers in accordance with federal, state and local regulations.

SECTION 14 TRANSPORT INFORMATION

DOT

UN number: Not applicable

UN proper shipping name: Cleaning compounds N.O.S.

Transport hazard class(es):

Class: Not applicable

Subsidiary risk: -

Label(s): Not applicable

Packing group: Not applicable

Special precautions for user:

Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Environmental hazards: No

Special provisions: None Assigned

Packaging exceptions:

None – Not classified as dangerous for transportation

Packaging bulk:

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

IATA

UN number: Not applicable

UN proper shipping name: Cleaning compounds N.O.S.

Transport hazard class(es):

Class: Not applicable

Subsidiary risk: -

Label(s): Not applicable

Packing group: Not applicable

Special precautions for user:

ForceField Leather Cleaner and Conditioner – Ready-to-Use

Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Environmental hazards: No
Special provisions: None Assigned

Packaging exceptions:
None – Not classified as dangerous for transportation

Packaging bulk:
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
Not applicable

IMDG

UN number: Not applicable
UN proper shipping name: Cleaning compounds N.O.S.
Transport hazard class(es):

Class: Not applicable

Subsidiary risk: -

Label(s): Not applicable

Packing group: Not applicable

Special precautions for user:
Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Environmental hazards: No
Special provisions: None Assigned

Packaging exceptions:
None – Not classified as dangerous for transportation

Packaging bulk:
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
Not applicable

SECTION 15 REGULATORY INFORMATION

US federal regulations:

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List or polymer exempt.

TSCA Section 5 SNUR: (40 CFR 721.10536)

Inventory Status: All components listed or polymer exempt.

CERCLA Hazardous Substance List (40 CFR 302.4)

No Listed materials.

SARA 311/312 – Superfund Amendments and Reauthorization Act of 1986:

Hazard categories:

Immediate Hazard Yes

Delayed Hazard Yes

Fire Hazard No

SARA 313 – Toxic Chemicals (40 CFR 372):

No Listed materials.

SARA 302 Threshold Planning Quantity:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Other federal regulations:

Clean Air Act (CAA) Ozone-Depletion Potential:

This product neither contains, nor was manufactured with a Class I, or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

US state regulations

U.S. California Proposition 65:

None.

SECTION 16 OTHER INFORMATION

NFPA RATING: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

PREPARATION INFORMATION:

DATE CREATED: 01/01/06 LAST REVISION: 06/27/2018

CREATED/REVISED BY: R. Lasnik

This information relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

End of SDS