

# Safety Data Sheet

Conforms to OSHA CFR 29 1910.1200 and aligns to the United Nations Globally Harmonized System  
Conforms to The United Nations Regulation Globally Harmonized System

Conforms to Regulation (EU) No 453/2010

Mexican Official Standard, NOM-018-STPS-2015, Harmonized System for the Identification and  
Communication of Hazards and Risks of Hazardous Chemicals in the Workplace

Conforms to The Workplace Hazardous Materials Information System (WHMIS 2015)

## Section 1 - Chemical Product and Company Identification

1.1 Product Name: **Multi Shield 360 International**

1.2 B3C Fuel Solutions LLC, 108 Daytona Street, Conway, SC 29526, 843-347-0482

1.3 Recommended Use: Spray do all lubricant, protection and wax

1.4 **RESTRICTIONS on USE** None

1.5 Emergency Response Number: **INFOTRAC 800-535-5053**

International Emergency Telephone Number: **+1-352-323-3500**

## Section 2 - Hazards Identification

### 2.1 GHS HAZARD

#### Hazard Classes

#### Hazard Categories

Eye Irritation

Category 2A

Skin Irritation

Category 2

Specific Target Organs toxicity single exposure

Category 3

Acute Toxicity (Oral)

Category 4

Acute Toxicity (Inhalation)

Category 4

Acute Toxicity (Dermal)

Category 4

2.2 Signal Word: **Warning**



2.3 Pictograms:

Irritant

### 2.4 Hazard Statements

PHYSICAL HAZARDS:

None

HEALTH HAZARDS:

H302: Harmful if swallowed

H315: Causes skin irritation

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H312: Harmful in contact with skin  
H319: Causes serious eye irritation  
H332: Harmful if inhaled  
H335: May cause respiratory irritation

### ENVIRONMENTAL HAZARDS:

None

### PRECAUTIONARY STATEMENTS:

P102: Keep out of reach of children  
P202: Do not handle until all safety precautions have been read and understood  
P260: Do not breathe vapors  
P280: Wear protective gloves, clothing and eye protection

### RESPONSE STATEMENTS:

P301 +310+ P331: IF SWALLOWED: USA  
Immediately call the National POISON CENTER at **800-222-1222**. OUTSIDE USA Immediately call poison center or doctor. DO NOT induce vomiting  
P303+P361+353: IF ON SKIN Take off immediately all contaminated clothing. Rinse skin with water  
P304+340: IF INHALED, remove to fresh air and keep comfortable for breathing  
P305+P351: IF IN EYES rinse cautiously with water for at least 15 minutes  
P306+P361: IF ON CLOTHING, take off contaminated clothing  
P330: Rinse Mouth  
P370: In case of fire use foam, carbon dioxide, dry chemical to extinguish fire  
P376: Stop leaks if safe to do so

### STORAGE STATEMENTS:

P403: Keep Cool Store in a well-ventilated place

### DISPOSAL STATEMENTS:

P501: Dispose of content and/or container in accordance with local, regional, national or international regulations

**2.5 Hazards not otherwise classified (HNOC) or not covered by GHS:** Repeated exposure may cause skin dryness or cracking

## Section 3 - Composition / Information on Ingredients

### 3.1

CAS#	EC#	Chemical Names	Percent	Other Identifiers
N/A	N/A	Modify Silicone anti corrosive mixture	15%	N/A
7732-18-5	231-791-2	Water	85%	H2O

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### 3.2 Blend Contains

Chemical Names	CAS#	EC#
Dimethyl siloxane	63148-62-9	613-156-5
Sodium benzoate	532-32-1	208-534-8
Sodium molybdate dihydrate	10102-40-6	600-158-6
2,2',2" nitrilotriethanol	102-71-6	203-049-8
Acetic acid	64-19-7	200-580-7
Propane-1,2-diol	57-55-6	200-338-0
Surfactant	Proprietary	Proprietary

**3.3 Trade Secret Provision and Chemical Concentration Disclosure:** In accordance with OSHA and GHS Regulations we have withheld specific percentages of the chemicals in this mixture. The chemical concentrations have been disclosed as a blend and are applicable to the hazards as identified in this Safety Data Sheet

## Section 4 - First Aid Measures

**4.1 Eye:** Contact with the eyes can cause serious irritation. Symptoms may include discomfort or pain and redness. Severe overexposure can result in swelling of the conjunctiva along with tissue damage.

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**4.2 Skin:** Prolonged and repeated liquid contact can cause defatting and drying of the skin and can lead to irritation and/or dermatitis.

**Skin:** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

**4.3 Ingestion:** Liquid ingestion can cause inebriation, headache, gastrointestinal pain, nausea, and vomiting.

**Ingestion:** Do NOT induce vomiting. Get medical aid immediately.

**4.4 Inhalation:** Prolonged breathing of high vapor concentrations can produce headache, dizziness, nausea, and impaired vision. Excessive overexposure can cause central nervous system depression, loss of consciousness, liver damage and death resulting from respiratory failure.

**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult and IF TRAINED, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation without protection.

**4.5 After first aid, get appropriate paramedic, or community medical support. Note to Physicians:** The severity of outcome following an exposure may be more related to the time between exposure and treatment, rather than the amount exposure. Therefore, there is a need for rapid treatment of any exposure.

**4.6 Note to Physicians:** If you determine that a medical emergency exists and the specific chemical identity is necessary for emergency or first-aid treatment we will immediately disclose the specific chemical identity. Call INFOTRAC 800-535-5053 or +1-353-323-3500. We will require a written statement of need and confidentiality agreement, in accordance with OSHA's Trade Secret Regulations as soon as circumstances permit. In non-emergency situations, we will upon written request disclose a specific chemical identity.

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## Section 5 - Fire-Fighting Measures

### 5.1 General Fire Hazards

Use water to cool containers exposed to fire

### 5.2 Hazardous Combustion Products

Avoid fumes of burning product.

### 5.3 Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

**5.4 Fire Fighting Equipment/Instructions** Large fires evacuate area and fight fire from a safe distance or protected location. Approach fire from upwind to avoid exposure to this material and its toxic decomposition products. Wear full protective gear if exposure is possible.

## Section 6 - Accidental Release Measures

**6.1 Spill /Leak Procedures:** Evacuate area. Only trained and properly protected personnel must be involved in clean-up operations. Keep upwind of spill. Ventilate area of leak or spill.

**6.2 Spills:** Avoid direct contact with material. Stop leak if without risk. Move containers from spill area. Prevent entry into sewers or waterways. Contain and collect spillage with non-combustible, absorbent material such as sand, earth, vermiculite or diatomaceous earth and place in a container for disposal.

## Section 7 - Handling and Storage

**7.1 Handling Precautions:** Wash hands and exposed skin thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid ingestion and contact with eyes, skin or clothing. Keep container tightly closed. Avoid inhalation.

**7.2 Storage Requirements:** Store in a tightly closed container in a cool, dry and well-ventilated area.

## Section 8 - Exposure Controls / Personal Protection

8.1 Chemical Names	ACGIH- TLV	OSHA - PEL
Modify Silicone anti corrosive mixture	10ppm TWA	*10ppm TWA

**8.2 ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value.**

**OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits.**

**NOTE: TWA Means** "TWA is the employee's average airborne exposure in any 8-hour work shift of a 40-hour work week which shall not be exceeded."

**8.3 Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below TLV/PELs Local exhaust ventilation are preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

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**8.4 Contaminated Equipment:** Separate contaminated work clothes from street clothes and launder before reuse. Remove this material from your shoes and clean personal protective equipment.

### 8.5 Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (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 such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use. Select gloves tested to the ANSI/ISEA 105-2011 or European EN374 Standard.

Full contact: Nitrile rubber

Splash contact: Nitrile rubber

Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

Impervious clothing, flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### 8.5 Protective Clothing Pictograms



Splash Goggles



Gloves



Protective Apron



Vapor Respirator

## Section 9 - Physical and Chemical Properties

### 9.1

**Physical State:** Liquid

**Appearance:** Various

**Odor:** Characteristic order

**Vapor Pressure:** Not Available

**Vapor Density (Air=1):** >1

**Specific Gravity (H2O=1,):** 0.75

**Relative Density:** Not Available

**Odor Threshold:** Not Available

**Flammability (solid, gas):** Not Applicable

**Evaporation rate:** Not Available

**Partition coefficient octanol/water:** Not Available

**pH:** None

**Water Solubility:** Insoluble in water

**Flash Point:** 250°F (121°C) closed cup

**Boiling Point/Range:** 360°F (169°C)

**Lower Explosive Limits (vol % in air):** Not Applicable

**Upper Explosive Limits (vol % in air):** Not Applicable

**Melting Point:** Not Available

**Viscosity:** Not Available

**Auto ignition Temperature:** Not Available

**Decomposition temperature:** Not Available

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### Section 10 - Stability and Reactivity

**10.1 Stability:** Stable under ordinary conditions of use and storage.

**10.2 Polymerization:** Hazardous polymerization has not been reported.

**10.3 Chemical Incompatibilities:** Strong oxidizing agents. Strong acids.

**10.4 Hazardous Decomposition Products:** Carbon oxides

**10.5 Conditions to Avoid:** Contact with incompatible materials

### Section 11- Toxicological Information

#### 11.1

Product Name	Results	Species	Dose	Exposure
Modify Silicone anti corrosive mixture	Oral LD50	Rat	300-2000 mg/kg	None Listed
Modify Silicone anti corrosive mixture	Inhalation LC50	Rat	4mg/l	4 hours
Modify Silicone anti corrosive mixture	Dermal LC50	Rabbit	2000 mg/kg	None Listed

**11.1.1** OECD Guideline 401 Tests results found in the European Chemical Agency Data Base shows that components of this product to cause Oral Toxicity.

**11.1.2** OECD Guideline 403 Tests results found in the European Chemical Agency Data Base shows that components of this product to be Inhalation Toxicity.

**11.1.3** OECD Guideline 402 Tests results found in the European Chemical Agency Data Base shows that components of this product to Dermal Toxicity.

**11.2 Route of Entry:** Inhalation, Ingestion, Absorption, Skin and/or Eye Contact

**11.3 Aspiration Hazard:** European Chemical Agency Data Base shows that no components of this product may be fatal if swallowed and enters airways.

**11.4 Mutagenicity:** European Chemical Agency Data Base show no components of this product to cause genetic defects.

**11.5 Skin Corrosion/Irritation:** OECD Guideline 404 Tests results found in the European Chemical Agency Data Base shows that components of this product to cause skin irritation. Repeated exposure may cause skin dryness or cracking.

**11.6 Serious Eye Damage/Irritation:** OECD Guideline 405 Tests results found in the European Chemical Agency Data Base shows that components of this product to cause serious eye irritation.

**11.7 Specific Target Organ Toxicity (Single Exposure):** European Chemical Agency Data Base shows that components of this product may cause respiratory track irritation.

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**11.8 Reproductive toxicity:** European Chemical Agency Data Base show no components of this product to cause damage to fertility or the unborn child.

**11.9 Target Organ Toxicity (Repeated Exposure):** None

**11.10 Signs and Symptoms:** Effects may include: Headache, Dizziness, Drowsiness, Metabolic Acidosis, Coma, Seizures. Symptoms may be delayed.

**11.12 Carcinogenicity:** European Chemical Agency Data Base shows that no components of this product to cause cancer in humans.

Chemical Name	IARC	ACGIH	NTP	OSHA
Modify Silicone anti corrosive mixture	Not listed	Not listed	Not listed	Not Listed

## Section 12 - Ecological Information

### 12.1

Product Name	Results	Species	Exposure
Modify Silicone anti corrosive mixture	No data available for this mixture		

**12.2 Toxicity:** This mixture is not regarded as toxic to aquatic organisms and should be prevented from entering a waterway.

**12.3 Mobility:** No data available for this mixture

**12.4 Persistence/degradability:** No data available for this mixture

**12.5 Bioaccumulation:** No data available for this mixture

**12.6 Results of PBT and vPvB assessment:** No data available for this mixture

**12.6 Other adverse effects:** No data available for this mixture

## Section 13 - Disposal Considerations

**13.1 Disposal: DO NOT REUSE EMPTY CONTAINER!** Container should be completely emptied prior to discard. Container with residues should be considered to be hazardous wastes. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

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### Section 14 - Transport Information

#### 14.1

Regulatory Information	UN #	Proper Shipping Name	Hazard Class	PG	Label	Additional Information
DOT Classification		Not Regulated				
TDG Classification		Not Regulated				
RID/ARD Classification		Not Regulated				
IMDG Classification		Not Regulated				
ICAO/IATA Classification		Not Regulated				
Australian Classification		Not Regulated				

### Section 15 - Regulatory Information

#### 15.1 US Regulations:

**TSCA:** All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

**CERCLA Hazardous Substances and corresponding RQs:** Acetic acid 5000lbs.

**SARA Community Right-to-Know Program:** None

**Clean Water Act:** None

**Clean Air Act:** None

**OSHA:** All ingredients are listed in 1910.1200

#### State Regulations

**California prop. 65:** None

#### Chemicals on the following State Right to Know Lists:

**Massachusetts:** All components of this product are on the Massachusetts Inventory or are exempt from Inventory requirements.

**New Jersey:** All components of this product are on the New Jersey Inventory or are exempt from Inventory requirements

**Pennsylvania:** All components of this product) are on the Pennsylvania Inventory or are exempt from Inventory requirements



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### 15.2 Canadian Regulation

All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

### 15.3 Europe Regulations

All substances contained in this product are listed on the EU directives or are not required to be listed.

### 15.4 International Regulations:

**Australian Inventory of Chemical Substance:** All components of this product are on the Inventory or are exempt from Inventory requirements.

**National Existing Chemical Inventory in Taiwan:** All components of this product) are on Inventory or are exempt from Inventory requirements.

**Philippine Inventory of Chemicals and Chemical Substances** All components of this product are on the Inventory or are exempt from Inventory requirements.

**China Existing Chemical Inventory:** All components of this product are on the Inventory or are exempt from Inventory requirements.

## Section 16 - Other Information

**16.1 Disclaimer:** The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER, NO responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.

**16.2 References:** CHEMpendium data base of Canadian Centre for Occupational Health and Safety (CCOHS), JJ Keller on Line, European Chemical Agency Data Base and MSDS and SDS of chemicals in this mixture.

**16.3 SDS Preparation Date** 03/01/2017

**SDS Previous Issue Date:** None

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