

Administration Act and complies with 29CFR 1910.1200 The Hazard Communication Standard

DATE OF PREPARATION: 01/28/98

EMERGENCY PHONE NO.: 1-800-882-0023

01-9155

MANUFACTURER'S NAME: AMAX Corporation Industrial Products Group

CORPORATE STREET ADDRESS: 980 S. Third Street

City: Louisville

STATE: Kentucky

ZIP: 40203

MANUFACTURER'S IDENT: Sam Donalds

DEPT. CODE: 3436

EMERGENCY AND INFORMATION PHONE NUMBER: 1-800-882-0023

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**SECTION 1 - PRODUCT IDENTIFICATION**

Product Name: Safety First

Product Class: water-soluble, biodegradeable, kerosene subs.

Product Description and Uses: A water-soluble degreaser that will strip rubber, lube oil, grease, minerals, coal, ink, carbon, wax, chemical residue and light tar. Will not strip machine paint or decals. Fireproof and non-toxic. Substitute for kerosene, diesel fuel, mineral spirits and trichlor. Contains no chlorinated or hazardous solvents. Safe for all metals and plastic. Great for removing grease deposits or oil stains from concrete floors. This will clean bearings, valves, scrapers, haul units, gear reducers, pumps, dies, lathes, presses, engines, transmissions, chains, fan housings and turbines. Designed with safety in mind! Hard working and safe!

**SECTION 2 - NON-HAZARDOUS INGREDIENTS**

Chemical	CAS No.	Weight %	ACGIH TLV (mg/m3)	OSHA PEL (mg/m3)	Carcinogenicity NPT IARC OSHA
-limonene	5989-27-5	10%	NA	NA	total non-carcinogen

Contains no hazardous ingredients. This product is non-hazardous for storage and transport according to the US Department of Transportation Regulations.

NA=Not Applicable

NK=Not Known

NE=Not Established

**SECTION 3 - PHYSICAL DATA**

Boiling Point: 252F Vapor density \_\_\_ heavier X lighter than air. Ph: 7.0 neutral  
 Evaporation Rate: \_\_\_ Faster XX Slower than Ether. Percent Volatile by Volume: 0% Weight per gallon: 9.3lbs  
 Appearance and Odor: Clear liquid, with citrus odor

HMIS Rating Information:

Health: 1

Flammability: 0

Reactivity: 0

Personal Protection: A

**SECTION 4 - FIRE AND EXPLOSION HAZARD DATA**

Flammability Classification: OSHA None DOT: Not Regulated Flash Point: NONE LEL: NA  
 Extinguishing Method: None Required Unusual Fire and Explosion Hazards: None Required  
 Special Fire Fighting Procedures: Water, CO2, dry chemical

**SECTION 5 - HEALTH HAZARD DATA**

Permissible Exposure Level: Not Applicable Threshold Limit Value: Not Applicable  
 Precautionary Measures: No special requirements under normal use conditions  
 Eye Protection: Reasonable eye protection should always be used to avoid eye contact where splashing may occur.  
 Skin Protection: No special precautions required; rinse completely from skin after contact.  
 Respiratory Protection: No special precautions required Flammability: Material is stable and will not burn

**First Aid Treatment:**

Eye Contact: Immediately rinse the eye with large quantities of cool water; continue 10-15 minutes or until the material has been removed. Get medical attention if irritation persists.

Skin Contact: No effects, if any rinse with water.

Inhalation: Non-toxic. Give several glasses of water to dilute; do not induce vomiting.

Ingestion: Non-toxic. Exposures to concentrate or mist may cause mild irritation; remove to fresh air.

**SafetyFirst/Biodegradeable Industrial Cleaner & Degreaser**

*Now you don't have to sacrifice cleaning performance to avoid hazardous waste problems!*

**Description:**

Fast-action heavy duty degreaser is specially formulated to tackle the toughest industrial cleaning tasks. Dissolves and softens grease and carbon immediately...even hardened deposits on concrete floor. Cuts through accumulated sludge on machinery, presses, road and mining equipment, engines and conveyors. Cleans concrete floors and exhaust hoods. Use in steam or pressure gun, parts tank or manual. This is the answer to hazardous solvents in ultrasound tanks, 20-1 dilution, heat to 55F!

SafetyFirst is both versatile and powerful. In its super-concentrated form or in a variety of dilutions, it can be sprayed, brushed, poured or used in dip tanks to clean virtually all types of materials. It can be used in industrial cleaning processes on computer cards, plastic molds, conveyor lines, fabricated parts and much more.

SafetyFirst is also a tremendous all-purpose cleaner for everything from removing adhesive build-up to getting out grease, tar, ink, scuff marks, pigment stains, tire tracks and rust stains. This will degrease floors, walls and equipment.

This is the answer for thousands of industrial applications!

**SafetyFirst dilution ratios:**

**BUILDING MAINTENANCE**

Floors and Walls	30-1
Carpet Spotting	5-1
Window Glass	20-1
Concrete	10-1
Tile	20-1
Lighting Fixtures	20-1
Wax Removal	10-1
Chimneys	20-1
Parking Lot Cleaning	20-1

**AUTOMOTIVE**

Engine Degreasing	20-1
Exterior Wash	40-1
Wheels and Rims	20-1
Tractors	20-1

**MARINE**

Arresting Gear Area	30-1
Bulkheads	20-1
Hinges	20-1
Cargo Containers	30-1
Cranes	30-1
Drilling Rigs	20-1

**MANUFACTURING**

Greasy Equipment	20-1
Fork Lifts	20-1
Steam Cleaners	30-1
High Pressure Sprayers	30-1
Sonic Tanks	10-1
Parts Tanks	20-1
Bucket and Brush	20-1
Presses/Engines	20-1
Heavy Equipment	20-1

**KITCHEN/GALLEYS**

Food Equipment	20-1
Stoves/Ovens	20-1
Vents/Filters	20-1
Tile Flooring	30-1

**AIRCRAFT**

Exterior Paint	30-1
Landing Gear	20-1
Interior Area	20-1
Carpets	20-1
Filters	20-1
Ground Vehicles	20-1
Cargo Holds	20-1

**Regulatory Information:**

DOT Proper Shipping Name: Cleaning Compound

DOT Class: None DOT ID Number: None

DOT HARA/Title III-CERCLA List of Hazardous Substances and Reportable Quantities (40CFR 304.4): This product does not contain an ingredient listed as a hazardous ingredient for Emergency Release Notification under Section 304.

DOT HARA Title III-list of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40CFR 372): This product does not contain an ingredient listed as a toxic chemical for Annual Release Reporting Requirements under Section 372.

## SafetyFirst/BIODEGRADABLE INDUSTRIAL CLEANER & DEGREASER

Now you don't have to sacrifice cleaning performance to avoid hazardous waste problems!

### APPLICATIONS

#### HEAVY INDUSTRIES

##### **Tire, Rubber Manufacturing**

1. Parts washers

##### **Steel Mills**

1. Cleaning rolling stock
2. Parts washers

##### **Metal Forming**

1. Dip tank degreasing
2. Spraying degreasing
3. Wipe on/wipe off
4. Parts washers
5. Process drawing

##### **Ship Building & Maintenance**

1. Prepaint degreasing
2. Preweld cleaning

##### **Battery Manufacturing**

1. Dip tank degreasing
2. Parts washers
3. Wipe on/wipe off

##### **Casing and Forging**

1. Wipe on/wipe off
2. Die cleaning
3. Dip tanks

##### **Automotive**

1. Prepaint cleaning
2. Engine degreasing
3. Exterior wipe on/wipe off
4. Electrical degreasing
5. Parts washers
6. Maintenance degreasing

#### CABLE AND WIRE INDUSTRIES

##### **Wire Drawing**

1. Process line degreasing
2. Spooling line degreasing
3. Parts washers
4. Dip tanks cold and hot

##### **Cable Manufacturing**

1. Ink and dye removal
2. Filling gel removal
3. High potting
4. Metal drawing degreasing
5. Parts washers

#### PLASTICS INDUSTRIES

##### **Injection Molding**

1. Parts washers rebuild
2. Mold cavity degreasing
3. Melt tank cleaning
4. Injection line cleaning

##### **Plastic Extrusions**

1. Parts washer for dies
2. Ink and dye removal
3. Spray on degreasing

#### MAINTENANCE INDUSTRIES

##### **Municipal Maintenance**

1. Wipe on/hose off concrete surfaces
2. Exterior vehicle cleaning
3. Graffiti removal
4. Driveway cleaning prior to resurfacing

##### **Industrial Maintenance**

1. Wipe on/hose off floors
2. Electrical maintenance
3. Motor maintenance and retrofit
4. Clean room degreasing
5. Laboratory cleaning
6. Fleet vehicle cleaning
7. General janitorial cleaning

#### PACKAGING INDUSTRIES

##### **Label Manufacturers**

1. Dip tanks
2. Parts washers
3. Wipe on/wipe off
4. Roller and line maintenance
5. Adhesive removal

##### **Package Manufacturers**

1. Parts washers
2. Container degreasing
3. Wipe on/wipe off
4. Mold cleaning
5. Tank degreasing

#### ELECTRONICS INDUSTRIES

##### **Printed Circuit Board**

1. Ultrasonic tank cleaning
2. Dip tank cleaning
3. Wipe on/wipe off

##### **Electronic Parts**

1. Wipe on/wipe off
2. Process line spraying
3. Dip tank cleaning
4. Work station spray on/wipe off

##### **Electronic Parts Assemblers**

1. Wipe on/wipe off
2. In line spraying
3. Heated dip tank
4. Ultrasonic tanks

#### AEROSPACE-MILITARY INDUSTRIES

##### **Aerospace**

1. Dip tanks
2. Wipe on/wipe off
3. Parts washers
4. Metal spraying
5. Electrical degreasing
6. Engine maintenance
7. Parts cleaning
8. PCB board cleaning

##### **Military**

1. Spraying degreasing
2. Penetrant testing
3. Parts washers
4. Prepaint degreasing
5. Wipe on/wipe off

#### FOOD PROCESS INDUSTRIES

##### **Fast Food Industries**

1. Hot grill cleaning
2. Wipe on/wipe off stainless steel degreasing

##### **Food Process, Meat Packers**

1. Parts washers
2. Process line cleaning
3. Dip tank tool cleaning

reactive. SafetyFirst is stable, even under fire conditions, and will not react with water, acids or oxidizers.  
 Stability: \_\_\_ unstable XX stable Hazardous Polymerization: \_\_\_ may occur XX will not occur  
 Hazardous Decomposition Products: NONE Conditions to Avoid: None Incompatibility (Materials to Avoid): None

### SECTION 7 - SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled: Recover usable material by convenient method; residual may be removed by vacuum or wet mop.

Waste Disposal Method: Biodegradeable. Fully water-soluble. Will not harm sewage treatment micro-organisms if disposed by sewer or drain.

### SECTION 8 - SAFE HANDLING AND USE INFORMATION

Respiratory Protection: None Ventilation: None required Protective Gloves: Yes Eye Protection: Safety glasses  
 Other Protective Clothing: None Hygienic Practices: Wash hands after using. Do not eat while using product.

### SECTION 9 - SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storing: Protect from freezing. Other Precautions: NONE

This product contains no ozone-depleting chemicals. Complies with 40 CFR 82.100 and 40 CFR 82.104.

Safety First has several key advantages over common industrial cleaners: it contains no petroleum distillates, it is highly concentrated, it is completely biodegradeable and environmentally safe, and greatly diminishes health risks to workers who handle it.

### Meets following Military Specifications:

Cleaning compound, Heavy Duty Liquid O-C-1824; Cleaning compound, Electrical and Electrical Components MIL-C-2542A/AS; Carbon removing compound P-C-111D; Carbon removing compound for agitating tank MIL-C-19853B/C

Notes and Approvals: Safety First has compound authorization as an approved degreaser for use in Federal inspected plants operating under the Food and Drug Administration and the Meat and Poultry Inspection Programs.

Ingredients conform to FDA Act CFR 176.170 and CFR 176.180; Meets all Right-to-Know Law Regulations; American Institute of Chemical Engineers Approved (AIPE); Paper Industry Management Association Approved (PIMA); Ford Motor Company Tox. No. 2-047010; General Motors Corporation Health Control No. 5134; Kimberly Clark Corporation Item # 287582; Government Services Association (GSA) Approved for factories dealing with government contracts and installations.

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