



Betco Corp.
1001 Brown Avenue
Toledo, Ohio 43607
419-241-2158

Product Number:
#154

Product Name:
AX-II Plus

N/A=Not Applicable

MATERIAL SAFETY DATA SHEET

(Prepared According To 29 CFR 1910.1200)

Effective Date **8/95**

SECTION 1 - PRODUCT IDENTIFICATION

Product Name:
Generic Name: **Very Aggressive No-Rinse Stripper**
Supplier's Name:
Supplier's Address:

Chemical Family: **N/A**
Formula: **N/A**
Phone Number:

NIOSH Hazardous Materials Identification System

Health	3
Flammability	0
Reactivity	0
Maximum Personal Protection	B

SECTION 2 - INGREDIENTS

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV	CARCINOGEN
Water	7732-18-5	to 100				
2-Butoxyethanol	111-78-2	15 to 20	25 ppm	25 ppm	N/A	No
Potassium Hydroxide	1310-58-3	5 to 10	N/A	C2mg/M ³	N/A	No
Tetrapotassium Pyrophosphate	7320-34-5	0 to 5				No
Monoethanolamine	141-43-5	0 to 5	3 ppm	3 ppm	8 ppm	No
Triethanolamine	102-71-6	0 to 5				No
Tetrasodium EDTA	84-02-8	0 to 5				No
Sodium Xylene Sulfonate	1300-72-7	0 to 5				No
Anionic Surfactant	68130-47-2	0 to 5				No
Nonionic Surfactant	34398-01-1	0 to 5				No
Perfume Oils	N/A	0 to 5				No

This product contains the following toxic chemicals 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
111-76-2	Glycol Ether	20.0

SECTION 3 - PHYSICAL DATA

Boiling Range (°F): **214°F**
Vapor Pressure: **20mm Hg @68°F**
% Volatile: **90+**
Solubility in Water: **100%**
Physical Description: **Thin colorless liquid with characteristic odor.**

Specific Gravity: **1.04**
Vapor Density: (Air=1): **>1**
pH: **13.5 - 14.0**
Evaporation Rate: (Water=1): **<1**

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): **None to boiling. (TCC)**
Upper Explosive Limit: **N/A**
Lower Explosive Limit: **N/A**
Extinguishing Media: **N/A**
Special Fire Fighting Procedures: **N/A**
Unusual Fire and Explosion Hazards: **N/A**

SECTION 5 - REACTIVITY DATA

Stability: **Stable.**
Hazardous Polymerization: **Will not occur.**
Incompatibility (Materials to Avoid): **Strong acids or oxidizers.**
Hazardous Decomposition Products: **Carbon monoxide possible in a fire.**

SECTION 6 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage:
Keep out of reach of children.
Keep container closed during storage. For institutional and commercial use.

SECTION 7 - HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:

Primary Route of Entry:

Skin: Severe skin irritant. May cause redness, swelling, defatting, and possible skin damage.
Eyes: Severe eye irritant. Liquid and mist may damage the eyes causing corneal injury.
Inhalation: Vapors may be irritating to the mucous membranes in the nose, throat, and lungs. High concentrations may cause headache, dizziness, and nausea.
Ingestion: Irritating to the mouth, throat, and gastrointestinal system. May cause dizziness, headache, nausea, vomiting, and diarrhea.

First Aid Procedures:

Skin: Remove contaminated clothing. Flush with large quantities of water. Seek medical attention if irritation persists.
Eyes: Flush eyes with large quantities of water. Seek medical attention.
Inhalation: Get to fresh air. Seek medical attention if symptoms persist.
Ingestion: Do not induce vomiting. Seek medical attention immediately.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: **Use in well ventilated area.**
Protective Gloves: **Waterproof.**
Other Protective Equipment: **Waterproof boots.**

Ventilation: **Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.**
Eye Protection: **Safety glasses.**

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:

Soak up or otherwise absorb and hold for disposal.

Waste Disposal Method:

Any method in accordance with applicable laws.

Technical Data

USES/BENEFITS

Use to remove:

Floor waxes:

- carnauba
- microcrystalline

Floor sealers:

- acrylic
- water-based urethane

Floor finishes:

- acrylic
- copolymer
- styrene
- oligomer
- polymer
- metal crosslinked
- thermoplastics

NOTE: This aggressive stripper is a powerful product designed specifically for floor finish removal on resilient tile floors (vinyl and vinyl asbestos.) **It should not be used on wood floors or painted surfaces.** Not recommended on linoleum or rubber tile floors since bleaching and softening may occur. Test first on asphalt tile in an inconspicuous area. Bleaching could occur.

PROPERTIES

Color Clear, slight amber
Fragrance Sassafras
pH 13.5
pH @ 10% solution 12.8

Specific gravity 1.038
Freeze/thaw stability Pass 3 cycles
Flash point None

SAFETY

1. Because of its unusual penetrating and liquefying ability, it must be used only as directed. **DO NOT USE UNDILUTED.**
2. Wet floor may become extremely slippery. Be sure to keep pedestrian traffic away from floor until thoroughly dry.
3. Prolonged exposure to high concentrations of vapor may be harmful to eyes, skin and respiratory tract. Work area should have adequate ventilation.

May be harmful if swallowed. **FIRST AID:**
Internal: Ingest vinegar or fruit juices in large quantities and follow up with olive oil. **External:** Flood with water and wash with vinegar. **Eyes:** Rinse thoroughly with water. If irritated, contact a physician.
4. For industrial and institutional use only by trained personnel. Keep out of reach of children. Material Safety Data Sheet available.

DIRECTIONS FOR USE

1. Dilute this aggressive fast stripper accordingly with hot water; **Normal stripping:** 1 part to 10 parts water. **Aggressive stripping:** 1 part to 5 parts water (necessary if floors have been burnished or high speed buffed)
2. Apply liberally with mop or automatic scrubber to floor. Be sure to leave surface very wet!
3. Allow to remain 3-4 minutes and remop. This provides slight agitation necessary for 100% removal of old floor finish. Allow another 3 minutes before vacuuming.

4. Pick up solution using a wet vac. If any finish remains (such as around baseboards) use a bowl swab and DILUTED "liquefier solution" to "touch up".
5. Allow floor to dry. No rinsing is necessary if surface appears free of dust after drying.
6. Recoat.

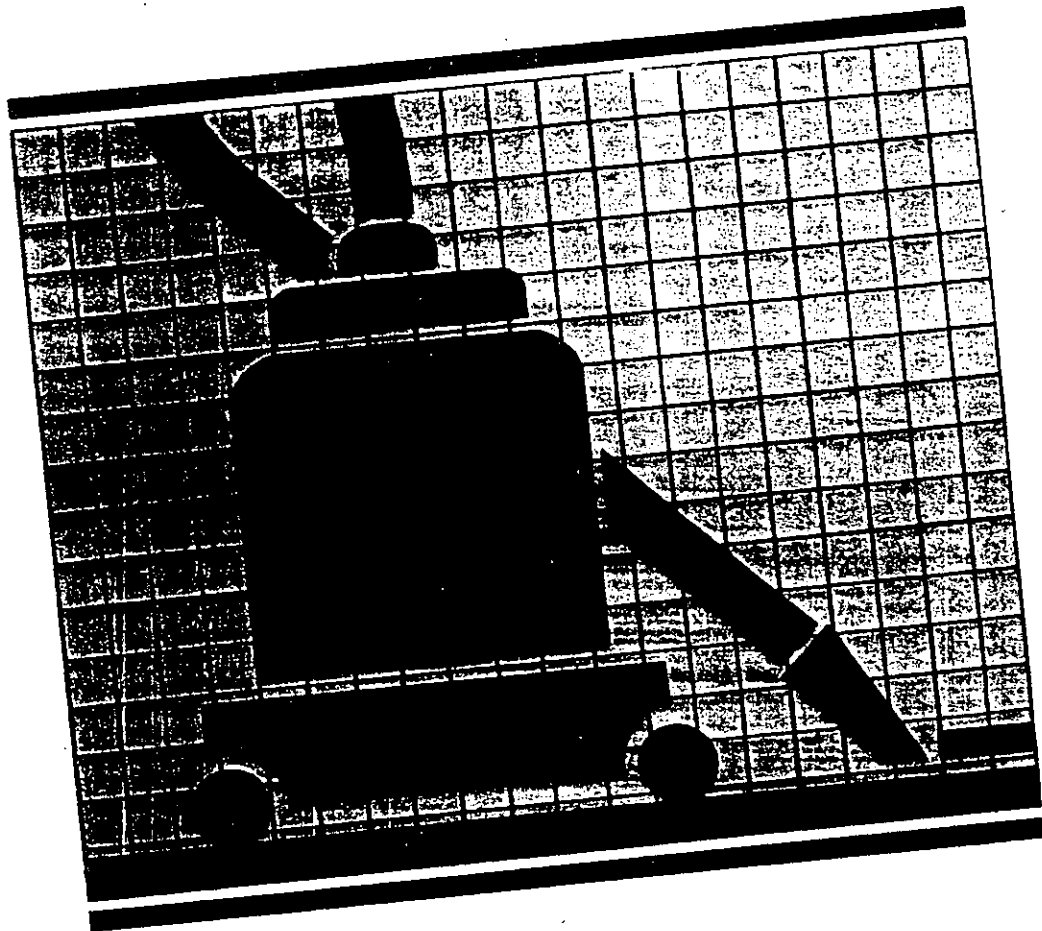
NOTE: In order to determine use-dilution, pre-test on a small area. Strip only a manageable area at one time. Although pickup using a wet vac is advised, the stripper-finish may be mopped off of the floor.

AUTHORIZATION

Requires no authorization by USDA prior to its use in offices and other similar non-processing areas.

Ax-It® Plus

Very Aggressive
No Rinse Stripper



PRODUCT DESCRIPTION

This very aggressive, fast liquefier has been developed to solve floor finish stripping difficulties caused by ultra high speed buffing/burnishing, super hard urethane fortified finishes, or excessive buildup. Utilizing "evaporating liquefier" technology, our laboratory has formulated this stripper to remove the most difficult floor finish films in less time, with less effort, and with little or no rinsing. Our "evaporating liquefier" technology is based on "solvency" to dissolve the wax or finish, rather than harsh, inorganic alkalis. The result is a very aggressive stripper that leaves the floor ready to recoat without neutralizing when used as directed. Most of the remaining stripping solution

will evaporate; therefore no rinse is required prior to recoating.

For most applications, the entire stripping process can be completed using no floor machine or pads, no floor rinsing, and no neutralizer. A floor machine and stripping pads will only be necessary in extremely difficult situations. This product will save 30-50% of the time normally required to strip a floor using conventional strippers. This product is economical, efficient and biodegradable. It makes doing a nasty job very easy!

Special low foaming formula makes pickup easy whether using a wet vac or automatic scrubber.



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