



Armor-Ace

Shine Enhancer

DESCRIPTION

Armor-Ace is your premium choice when you want your floors to shine for a long...long time. It cleans, it restores, it enhances shine and it strengthens the floor finish to resist wear, thus reducing the frequency of recoating and stripping...and that saves you time and money!

Armor-Ace floor finish top shield...it's like adding the protection of armor plating to your floor. An easy to use, highly concentrated, unique blend of tough polymers and neutral surfactants synergistically combined to restore your floor finish to a wet look shine while cleaning it.

Armor-Ace will not 'build-up', yellow or affect the slip-resistance of your floor finish. **Armor-Ace** dries quickly, is low-odor and effective when applied with an auto-scrubber or with a standard blended finish mop.

DIRECTIONS

Remove loose soil with a dust mop.

Auto Scrubber:

Add 3 to 4 oz. of **Armor-Ace** per gallon of clean water (24 to 32 ml/litre) (1:43 to 1:32). Scrub floor with medium grade pad.

Mop-On:

Add 2 oz. of **Armor-Ace** per gallon of clean water (16 ml/litre) (1:64). Fully saturate your finish mop in the **Armor-Ace** solution, then wring out until it's damp and apply to the floor.

Burnishing:

Burnish your **Armor-Ace** 'plated' floor to a wet look gloss with a medium, medium-aggressive pad on a 1500 or greater rpm machine.

Re-application:

Use **Armor-Ace** when necessary on high traffic areas.

PHYSICAL DATA

Total Solids	19.0 % minimum
Odor	Mild
Appearance	Water-white liquid
Foam	Medium
Performance	Excellent Scrubability, Black Mark resistance and Removability

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **ARMOR-ACE**
 Product Use: *Floor Cleaner / Restorer.*
 M-chem Technologies Inc.
 1607 Derwent Way
 Delta, BC V3M 6K8, Canada
 Phone: (604) 526-5655

WHMIS CODE: D2B
 Proper Shipping Name: N/A
 Hazard Class: N/A
 UN Number: N/A

EMERGENCY PHONE
 Canada: Canutec 613-996-6666
 U.S.A.: Chemtrec 800-424-9300

HMIS	
1	Health
0	Flammability
0	Reactivity
B	Personal

A=Goggles, B=Goggles & Gloves
 C=Goggles, Gloves and Apron

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
ALCOHOL ETHOXYLATE LD50 (oral rat) 1376 mg/kg LD50 (dermal rabbit) >2 g/kg	68439-46-3	10.0-15.0	N/A	N/A
DIPROPYLENE GLYCOL METHYL ETHER The above item is reported per 40 CFR 372, Section 313 of Emergency Planning and Community Right to Know Act of 1986. LD50 5430 mg/kg LD50 9500 mg/kg LC50 N/A	34590-94-8	10.0-15.0	100 ppm	100 ppm

SECTION 3 – PHYSICAL DATA

Color and Odor: Clear liquid, solvent odor. **Boiling Point:** N/D **Vapor Pressure (mm HG):** N/D **pH:** 8.5 +/- 0.5
Physical State: Liquid. **Melting Point:** N/A **Vapor Density:** N/D **Specific Gravity:** 1.02 @ 20°C
Coef. Water/Oil Dist: Greater than 1.0 **Evaporation Rate:** N/D **Solubility in Water:** Soluble **Odor Threshold:** No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None to 100°C (TCC) **Sensitivity to Mechanical Impact:** None. **Extinguishing Media:** Not flammable.
Flammable Limits: None known. **Sensitivity to Static Discharge:** None. **Auto ignition Temperature:** None known.
Unusual Fire and Explosion Hazards: None. **Conditions of Flammability:** None.
Hazardous Combustion Products: Carbon oxides and other toxic/irritating organic fumes.
Special Fire Fighting: Wear NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situation. Use water spray to cool all nearby fire exposed surfaces.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable under normal storage conditions.
Hazardous Polymerization: Will not Occur.
Incompatibility (material to avoid): None known.
Hazardous Decomposition Products: Carbon oxides and other noxious fumes upon thermal decomposition.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient. **Routes of Entry:** Skin, eyes, inhalation.
Irritancy of Product: May be irritating to skin and eyes. **Carcinogenicity:** None known.
Sensitization: None known. **Mutagenicity:** None known.
Teratogenicity: None known. **Reproductive Toxicity:** None known.
Name of Toxicological Synergistic Product: None known.
Effects of Chronic Exposure: Prolonged or repeated exposure may cause skin irritation or dermatitis.
Effects of Acute Exposure to Product: Product exposure may irritate skin and eyes. Prolonged inhalation of vapors or mists may irritate respiratory system. Ingestion may cause gastro-intestinal and abdominal discomfort.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Normally not required. However, if product is misted or sprayed, use a NIOSH/MSHA approved dust/mist respirator.
Ventilation: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Protective Gloves: Butyl rubber or Neoprene gloves.
Eye Protection: Chemical goggles, safety goggles or face shield.
Protective Clothing and Equipment: Long sleeve coveralls. Eye wash recommended in the immediate work area.
Storage and Handling Procedures: Use good Industrial hygiene. Avoid contact with skin, eyes and clothing. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with other chemicals. Store at temperatures below 30°C and keep from freezing.
Disposal Procedures for Spills or Leaks: Wear protective equipment. Soak up spills with absorbents, then dispose of in an appropriate waste container. Keep material away from sewers.
Waste Disposal Method: Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.
Special Shipping Information: Store at temperature below 30°C and keep from freezing.

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
 If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division PHONE: 604-526-5655 LAST UPDATE: 07/04/11
 THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE