

ECLIPSE® WINTER RINSE

Specially formulated neutralizer designed to remove residue associated with the use of ice melt compounds and salt.

FEATURES

- Removes ice melt films that damage floor surfaces
- Economical 1-2 oz per gallon dilution
- Autoscrubber or mop-on application
- Biodegradable formula with a fresh citrus scent



RECOMMENDED FLOOR SURFACES

Resilient tile and most hard floors (stone, concrete, terrazzo, etc.) where excessive alkalinity may cause dulling and adhesion problems. **NOTE:** Use on some polished stone floors (marble, travertine, etc.) may cause etching. Test on an inconspicuous area first for any etching effect before treating a large area.

PRODUCT DATA

Description:	Low foaming neutralizer
Appearance:	Clear orange liquid
Fragrance:	Citrus
Viscosity (Brookfield):	< 5 centipoise @ 68°F (20°C)
pH (undiluted):	2.0 ± 0.5 ASTM E70-97
pH @ 1:64:	2.2 ± 0.5 ASTM E70-97
Density:	8.4 lb per gal @ 68°F 1.05 kg per liter @ 20°C
Flash Point:	None
Freeze/Thaw:	Passes 3 cycles ASTM D3209-93 (1998)
Shelf Life:	2 years, ASTM D1791-93 (1998)

PRECAUTIONS

Keep out of reach of children. Keep container sealed when not in use. Avoid freezing. If frozen, allow to return to room temperature slowly and mix thoroughly before using.

ORDERING INFORMATION

Product #350MP: 4 x 1.06 gallon per case (4 x 4 liter)

DIRECTIONS FOR USE

AUTOSCRUBBER APPLICATION (RECOMMENDED):

1. Clean floors according to normal procedures using Eclipse Neutral Cleaner to remove soil residues.
2. Dilute Eclipse Winter Rinse in autoscrubber at:
 - Light to Moderate Winter Salt Films**
1:128 1 US oz per gallon of clean water
(40 ml per 5 liters of clean water)
 - Heavy Winter Salt Films**
1:64 2 US oz per gallon of clean water
(80 ml per 5 liters of clean water)
3. Use autoscrubber with Light Cleaning Red pads with vacuum on to pick-up all solution and residues.
4. Allow floor to dry thoroughly before burnishing.

DIRECTIONS FOR USE

MOP-ON APPLICATION (OPTIONAL):

1. Clean floors according to normal procedures using Eclipse Neutral Cleaner to remove soil residues.
2. Dilute Eclipse Winter Rinse in mop bucket at:
 - Light to Moderate Winter Salt Films**
1:128 1 US oz per gallon of clean water
(40 ml per 5 liters of clean water)
 - Heavy Winter Salt Films**
1:64 2 US oz per gallon of clean water
(80 ml per 5 liters of clean water)
3. Damp mop floor thoroughly with Eclipse Winter Rinse solution.
4. **(Required)** Damp mop floor second time with clean water to remove all residues.
5. Allow floor to dry thoroughly before burnishing.

Pioneer Eclipse®

ECLIPSE WINTER RINSE

LAST REVISION DATE: 03/21/06
MANUFACTURER: Pioneer Eclipse® Corporation
 Sparta, NC 28675 Phone: 1-336-372-8080
FOR CHEMICAL EMERGENCY: Spill, Leak, Fire,
 Exposure or Accident **CALL CHEMTREC - Day or
 Night at 1-800-424-9300** Toll Free in the
 Continental US **483-7616** in DISTRICT OF
 COLUMBIA. For calls originating outside the US:
 Call Collect **1-202-483-7616** Washington, DC.

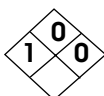
SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT: Non-combustible
EXPLOSIVE LIMITS:
 LOWER: N/A UPPER: N/A
EXTINGUISHING MEDIA: N/A
SPECIAL FIRE FIGHTING PROCEDURES: None
HAZARDOUS COMBUSTIBLE PRODUCTS: None
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

absorbent media. The exposed area should be washed with large amounts of water to prevent acid corrosion.
WASTE DISPOSAL: Dispose of as waste material in accordance with local, state, and federal regulations.

SECTION I: GENERAL INFORMATION

PRODUCT NAME: Eclipse® Winter Rinse
PRODUCT #: 350
PRODUCT TYPE: Low foaming neutralizer
PRECAUTIONS: Possible skin and eye irritant.
 Keep container sealed when not in use. Keep out of reach of children.
HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0
NFPA HAZARD RATINGS
 4-EXTREME 3-HIGH 2-MODERATE
 1-SLIGHT 0-INSIGNIFICANT



SECTION V: REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur.
INCOMPATIBILITY (MATERIALS TO AVOID):
 Strong bases and oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: N/A
REACTIVITY CONDITIONS: None

SECTION VIII: SPECIAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)
EYES: None required under normal conditions of use. Safety glasses recommended.
SKIN: If prolonged or repeated contact is possible, chemical-resistant clothing (e.g., rubber gloves) is recommended.
RESPIRATORY: No respiratory protection is required if ventilation is adequate.
ENGINEERING CONTROLS: Good general room ventilation is expected to be adequate. Local exhaust ventilation (e.g., fans) may be necessary when general ventilation does not keep airborne concentrations below any exposure limits.

SECTION II: HAZARDOUS INGREDIENTS

INGREDIENT: Citric Acid
CAS#: 77-92-9
%: 10-15
OSHA PEL: N/L
ACGIH TLV: N/L
LD₅₀ SPECIES & ROUTE: 11.7 g/kg rat, oral

SECTION VI: HEALTH HAZARD DATA

EYES: Product is acidic and may be irritating to eyes. For eye contact, flush with a large amount of water for at least 15 minutes. See a physician if irritation persists.
SKIN: Irritating to skin upon repeated or prolonged contact. For skin contact, wash affected areas with soap and water.
INHALATION: Vapor or mist can cause irritation of the eyes, nose, throat and lungs. For overexposure, move subject to fresh air.
INGESTION: Irritation to mouth, esophagus and stomach. If ingested, drink several glasses of water and do not induce vomiting. Seek medical attention.
CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Prolonged or repeated contact can cause drying and dermatitis to skin.
CARCINOGEN: Non-carcinogenic
REPRODUCTIVE EFFECTS: N/E
TERATOGENICITY: N/E
MUTAGENICITY: N/E
THRESHOLD LIMIT VALUE: See Section II.

SECTION IX: SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Storage temperature (MAX. 52°C / 125°F) (MIN. 0°C / 32°F)
OTHER PRECAUTIONS: Avoid freezing. If frozen, allow to return to room temperature slowly. Mix thoroughly before using.

N/E= Not Established, N/L - Not Listed
 N/A= Not Applicable

SECTION III: PHYSICAL/CHEMICAL DATA

APPEARANCE: Clear orange liquid
PHYSICAL STATE: Liquid
pH: 2.0 ± 0.5
BOILING POINT: 100°C / 212°F
EVAPORATION RATE: Less than water
FREEZING POINT: 0°C / 32°F
VAPOR DENSITY: Greater than air
VOLATILE BY WEIGHT: 85-90%
VAPOR PRESSURE: Less than water
DENSITY: 8.4 lb per gal @ 68°F
 1.05 kg per liter @ 20°C
SOLUBILITY IN WATER: Miscible

SECTION VII: SPILL, LEAK & DISPOSAL PROCEDURES

SMALL SPILLS: Absorb spill with inert material (e.g. sand, earth) and dispose of as waste material in accordance with local, state and federal regulations.
LARGE SPILLS: Keep spectators away. Floors may be slippery; use care to avoid falling. If spillage or leakage of product occurs, secure material in containers where necessary and collect using

SECTION X: ADDITIONAL INFORMATION

Neither this data sheet nor any statement contained herein grants or extends any license, expressed or implied, in connection with patents issued or pending which may be the property of the manufacturer or others. The information in this data sheet has been assembled by the manufacturer based on its own studies and the work of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) or the vendee, the vendee's employees or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.

This MSDS has been provided to you in accordance with the OSHA HAZARD COMMUNICATION STANDARD (29CFR1910.1200).

***IMPORTANT SAFETY INFORMATION
 DO NOT DISCARD***
 PLEASE ROUTE TO COMPANY SAFETY OFFICER