# PRODUCT DATA

## ECONOSTAR® ALL PURPOSE NEUTRAL CLEANER

Low foaming formulation designed to remove dirt and soil from all washable surfaces and enhance appearance.

## **FEATURES**

- pH neutral
- Low foaming
- Pleasant lemon fragrance
- Easy application with autoscrubber, mop, or trigger sprayer
- Safe for everyday use
- Concentrated for economical use



### RECOMMENDED SURFACES

All washable surfaces including resilient tile flooring, terrazzo, linoleum, marble, quarry tile, sealed wood, laminate, restroom fixtures, walls, partitions, etc.

## PRODUCT DATA

| Description:            | Low foaming all purpose cleaner                   |
|-------------------------|---|
| Appearance:             | Clear yellow liquid                               |
| Fragrance:              | Lemon   |
| Viscosity (Brookfield): | <10 centipoise @ 68°F (20°C)                      |
| pH (undiluted):         | 7.5 ± 0.5 ASTM E70-97                             |
| pH (diluted 1:64):      | 7.0 ± 0.5 ASTM E70-97                             |
| Density:                | 8.4 lb per gal @ 68°F<br>1.00 kg per liter @ 20°C |
| Freeze/Thaw:            | Passes 3 cycles ASTM D3209-93 (1998)              |
| Shelf Life:             | 2 years, ASTM D1791-93 (1998)                     |

## PRECAUTIONS

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

#### **ORDERING INFORMATION**

| Product #336FS: | 2 x 2.5 gallon per case (2 x 9.5 liter) |
|-----------------|---|
| Product #336MP: | 4 x 1.06 gallon per case (4 x 4 liter)  |

## DIRECTIONS FOR USE

1. Mix EconoStar All Purpose Neutral Cleaner per the following dilution ratio:

### Light Cleaning

1:128 1 US oz per gal water (40 ml per 5 liters water)

#### Medium Cleaning (including floors)

1:64 2 US oz per gal water (80 ml per 5 liters water)

#### Heavy Cleaning

1:16 8 US oz per gal water (320 ml per 5 liters water)

- 2. Apply to surface to be cleaned using an autoscrubber, mop, or trigger sprayer.
- 3. Rinse with clean water if necessary.



## ECONOSTAR ALL PURPOSE NEUTRAL CLEANER

| LST REVISION DATE: 02/24/06<br>MANUFACTURER: Proces: Edgrage* Corporation<br>provide that AL: BEFORD: 1-363-2743   Section V miters Allo Editation V ALL     Section V miters Allo Editation V miters Allo Ed  |   |  |   |
|--|---|--|---|
| ESCHOLT IN GENERAL INFORMATION   ESCHOLT NAME: EconoSitor AI Purpose<br>Neutral Cleaner<br>PRODUCT TYPE: Low fooming all purpose cleaner<br>PREAMTONE: Nessible shin and epi initiati.<br>RAZABOUS DECOMPOSITION PRODUCTS: N/A<br>REACTIVITY: Conformation in use. Keep out<br>freed of ensisting and purpose cleaner<br>PREAMTONE: Nessible shin and epi initiati.<br>FAILANDOUS DECOMPOSITION PRODUCTS: N/A<br>REACTIVITY: Conformation in use. Keep out<br>freed of ensisting and purpose cleaner<br>PREAMTONE: Nessible shin and epi initiati.<br>FAILANDOUS DECOMPOSITION PRODUCTS: N/A<br>REACTIVITY: Conformation in use. Keep out<br>freed of ensisting and purpose cleaner<br>PREAMTONE: Nessible shin and epi initiati.<br>FAILANDOUS DECOMPOSITION PRODUCTS: N/A<br>REACTIVITY: Conformation in use. Keep out<br>freed of ensisting and purpose cleaner<br>PREAMTONE: Nessible shin and epi initiati.<br>FAILANDOUS DECOMPOSITION PRODUCTS: N/A<br>REACTIVITY: Conformation in use. Keep out<br>freed of ensisting and purpose cleaner<br>PREAMTABLITY: 0<br>FAILANDOUS DECOMPOSITION PRODUCTS: N/A<br>REACTIVITY: Conformation of the use. Keep out<br>freed of ensisting and purpose cleaner<br>freed of ensisting and purpose cleaner<br>fr                              | MANUFACTURER: Pioneer Eclipse® Corporation<br>Sparta, NC 28675 Phone: 1-336-372-8080<br>FOR CHEMICAL EMERGENCY: Spill, Leak, Fire,<br>Exposure or Accident CALL CHEMTREC - Day or<br>Night 1-800-424-9300 Toll Free in the<br>Continental US 483-7616 in DISTRICT OF<br>COLUMBIA. For calls originating outside the US:   | FLASH POINT: Non-combustible<br>EXPLOSIVE LIMITS:<br>LOWER: N/A UPPER: N/A<br>EXTINGUISHING MEDIA: N/A<br>SPECIAL FIRE FIGHTING PROCEDURES: None<br>HAZARDOUS COMBUSTIBLE PRODUCTS: None<br>UNUSUAL FIRE AND EXPLOSION HAZARDS:  | ventilation is expected to be adequate. Local<br>exhaust ventilation (e.g., fans) may be necessary<br>when general ventilation does not keep airborne   |
| Section # General Micro MAX. 607 (2 140°F)   PRODUCT NAME: EconOSIG* All Purpose<br>Hautal Claimor<br>PRODUCT #: 336   PRODUCT #: 336   PRODUCT #: 5336   PRODUCT MARE: Low fooming all purpose cleaned<br>to dreach of children.   FLAMMABILIT: 0<br>extent # 10 mices. See of physicion if intriding to eyes. For eye content.<br>Tush with a large amount of wale for all least.<br>1 studier a walesendown   • VEX MAX. BEALTH: 1<br>• FLAMMABILIT: 0<br>extent * 2 worksend # intriding to eyes. For eye content.<br>Tush with a large amount of wales for ell least.<br>1 studier a walesendown   • VEX MARE * 2 worksend # intriding to eyes. For eye content.<br>Tush with a large amount of walesendown   • VEX MARE * 2 worksend # intriding to eyes. For eye content.<br>Tush with a large amount of walesendown   • VEX MARE * 2 worksend # intriding to eyes. For eye content.<br>Tush with a large amount function persists.<br>SKIE: Signity intriding to eyes. For eye content.<br>Tush with a large amount of walesendown   • VEX MARE * 2 worksend # intermed to eyes. most physics of intridition persists.<br>SKIE: Signity intermed to eyes. most physics of intridition persists.<br>SKIE: Signity intermed to eyes. most physics of intridition persists.<br>SKIE: Signity interedia default agendown and the eyes. most phy  | Call Collect 1-202-483-7616 Washington, DC.   | SECTION V: REACTIVITY DATA   | SECTION IX: SPECIAL PRECAUTIONS   |
| PRECAUTIONS: Possible skin and eye inflant.   Keep continuer seeded when not in use. Keep out<br>of reach of children.   PETES: Signity inflant of seeded when not in use. Keep out<br>of reach of children.   FLAMMABILIT: 0<br>REALTH: 1<br>FLAMMABILIT: 0<br>REALTH: 1<br>- ANSIGNET DARAMED CANAGE<br>Section II INCREDIENT: 0<br>- NEFA HAZARD EXTINGS<br>- ANSIGNET DARAMED CANAGE<br>- Stream - Avoncement<br>- Strea | PRODUCT NAME: EconoStar® All Purpose<br>Neutral Cleaner<br>PRODUCT #: 336   | HAZARDOUS POLYMERIZATION: Will not occur.<br>INCOMPATIBILITY (MATERIALS TO AVOID):<br>Strong acids and bases<br>HAZARDOUS DECOMPOSITION PRODUCTS: N/A  | Storage temperature (MAX. 60°C / 140°F)<br>(MIN. 1°C / 34°F)<br>OTHER PRECAUTIONS: Avoid freezing. If frozen,<br>allow to return to room temperature slowly. Mix  |
| of dech of children. FLAITH: 1   FLAITH: 1 FLAITH: 1   FLAITH: 2 FLAITH: 2   FLA   |   | SECTION VI: HEALTH HAZARD DATA   | SECTION X: ADDITIONAL INFORMATION   |
| ELECTION IN RUDREDIENTS CHRONIC EFFECTS AND MEDICAL CONDITIONS<br>AGGRAVATED BY OVEREXPOSURE: Prolonged or<br>repeated conitact can cause drying, defating and<br>dermatilis to skin. ary direct, special or consequential damages<br>arising out of or in connection with the accuracy,<br>completeness, adequacy or furnishing of<br>such information.   OSHA PEL: N/E<br>ACGIH TU: N/F<br>LD <sub>50</sub> SPECIES & ROUTE: N/E CHRONIC EFFECTS AND VEDEXLOSURE: Prolonged or<br>repeated conitact can cause drying, defating and<br>dermatilis to skin. The Accuracy,<br>completeness, adequacy or furnishing of<br>such information.   INGREDIENT: Notionic Surfactant<br>CAS#: 68439-46-3<br>%: 3-7<br>OSHA PEL: N/E<br>ACGIH TU: N/E<br>LD <sub>50</sub> SPECIES & ROUTE: 1.4 ml/kg rat, and<br>by SPECIES & ROUTE:   | Keep container sealed when not in use. Keep out<br>of reach of children.<br>HEALTH: 1<br>FLAMMABILITY: 0<br>REACTIVITY: 0<br>NFPA HAZARD RATINGS<br>4-EXTREME 3-HIGH 2-MODERATE   | EYES: Slightly irritating to eyes. For eye contact,<br>flush with a large amount of water for at least<br>15 minutes. See a physician if irritation persists.<br>SKIN: Slightly irritating to skin upon repeated or<br>prolonged contact. For skin contact, wash<br>affected areas with soap and water.<br>INHALATION: Vapor or mist may cause<br>irritation of the eyes, nose, throat and lungs. For<br>overexposure, move subject to fresh air.<br>INGESTION: May cause irritation to mouth,<br>esophagus and stomach. If ingested, drink<br>several glasses of water and do not induce  | Neither this data sheet nor any statement<br>contained herein grants or extends any license,<br>expressed or implied, in connection with patents<br>issued or pending which may be the property of<br>the manufacturer or others. The information in<br>this data sheet has been assembled by the<br>manufacturer based on its own studies and the<br>work of others. The manufacturer makes no<br>warranties, expressed or implied, as to the<br>accuracy, completeness or adequacy of the<br>information contained herein. The manufacturer<br>shall not be liable (regardless of fault) or the |
| INGREDIENT: Wotler AGGRAVATED BY OVEREXPOSURE: Prolonged or repeated contact can cause drying, defatting and drematitis to skin. Caster: 7732-18-5 contact can cause drying, defatting and drematitis to skin. contact can cause drying, defatting and drematitis to skin. completeness, adequacy or furnishing of such information.   OSHA PEL: IV/E CARCINOGEN: Non-carcinogenic CARCINOGEN: Non-carcinogenic completeness, adequacy or furnishing of such information.   INGREDIENT: Nonionic Surfactant (CAS#: 68439-46-3 SMALL SPILLS: Kee Section II. SEGION VIE SPILL: LEX & DISPOSAL PROFEDURES This MSDS has been provided to you in accordance with the 0.5K ANDARD (29GFR1910.1200).   V/E = Not Established, N/L = Not Listed N/A = Not Established, N/L = Not Listed N/A = Not Listed N/A = Not Listed N/A = Not Stablished, N/L = Not Listed N/A = Not Listed N/A = Not Listed N/A = Not Established, N/L = Not Listed Contact is to containers for recovery or disposal containers for disposal condonace with local, state and techaring runoff out of sewers and open bodies of water. ***IMPORTANT SAFETY INFORMATION DO NOT DISCARD***   Section III. BRYSICAL/CHEMICAL DATA APPEARANCE: Clear velow liquid PH: 7.5 ± 0.5 Section VIII SECTION WIRSPECTURE FOR State and federal regulations. SECTION VIIIS SECTION WIRSPECTURE FOR State and technolic state, and federal regulations. ***IMPORTANT SAFETY INFORMATION DO NOT DISCARD****   VAPPEARANCE: Clear velow liquid PH: 7.5 ± 0.5   | SECTION II: INGREDIENTS   |  |   |
| INGREDIENT: Nonionic Surfactant<br>CAS#: 68439-46-3<br>%: 3-7<br>OSHA PEL: N/E<br>ACGIH TUX: N/E<br>Days SPECIES & ROUTE: 1.4 ml/kg rat, oral SECTION VIESPILL, LEAK & DISPOSAL PROCEDURES   SMALL SPILLS: Absorb spill with inert material<br>(e.g. sand, earth) and dispose of as waste<br>material in accordance with local, state and<br>federal regulations. SMALL SPILLS: Keep spectators away. Floors may<br>be slippery: use care to avoid falling. Dike and<br>contain spill with inert material (e.g. sand, earth). ***IMPORTANT SAFETY INFORMATION<br>DO NOT DISCARD***   APPEARANCE: Clear yellow liquid<br>pH: 7.5 ± 0.5<br>BOILING POINT: 00°C / 212°F<br>FEVAPORATION RATE: Less than water<br>REEZING POINT: 0°C / 32°F<br>VAPOR DENSITY: Greater than air<br>% VOLATILE BY Weight: 94-96-%<br>VAPOR PRESSURE (mm Hg): N/E<br>DENSITY: 6.5 lb per gal @ 68°F<br>1.02 kg per liter @ 20°C<br>SOLUBILITY IN WATER: Miscible PERSONAL PROTECTIVE EQUIPMENT (PPE)<br>FYES: None required under normal conditions of<br>use. Safety glasses recommended.<br>SKIN: If prolonged or repeated contact is<br>possible, chemical-resistant cloiting (e.g., rubber<br>gloves) is recommended.<br>RESPIRATORY: No respiratory protection is ***IMPORTANT SAFETY INFORMATION<br>DO NOT DISCARD***<br>**PLEASE ROUTE TO COMPANY SAFETY OFFICER**   | CAS#: 7732-18-5<br>%: 91-93<br>OSHA PEL: N/E<br>ACGIH TLV: N/E  | AGGRAVATED BY OVEREXPOSURE: Prolonged or<br>repeated contact can cause drying, defatting and<br>dermatitis to skin.<br>CARCINOGEN: Non-carcinogenic<br>REPRODUCTIVE EFFECTS: N/E<br>TERATOGENICITY: N/E<br>MUTAGENICITY: N/E   | arising out of or in connection with the accuracy,<br>completeness, adequacy or furnishing of<br>such information.  |
| CAS#: 68439-46-3 FIGURIA UNEPTICE LEAVE OF DIRECT AVOIDATION   %6: 3-7 OSHA PEL: N/E   ACGIH TLY: N/E Example of the entropy entropy of the entropy of the entropy of  |   |  |   |
|  | CAS#: $68439-46-3$<br>%: $3-7$<br>OSHA PEL: N/E<br>ACGIH TLV: N/E<br>LD <sub>50</sub> SPECIES & ROUTE: 1.4 ml/kg rat, oral<br>N/E = Not Established, N/L = Not Listed<br>N/A = Not Applicable<br>SECTION III: PHYSICAL/CHEMICAL DATA<br>APPEARANCE: Clear yellow liquid<br>pH: $7.5 \pm 0.5$<br>BOILING POINT: $100^{\circ}$ C / $212^{\circ}$ F<br>EVAPORATION RATE: Less than water<br>FREEZING POINT: $0^{\circ}$ C / $212^{\circ}$ F<br>VAPOR DENSITY: Greater than air<br>% VOLATILE BY WEIGHT: $94-96-\%$<br>VAPOR PRESSURE (mm Hg): N/E<br>DENSITY: $8.5$ lb per gal @ $68^{\circ}$ F<br>$1.02$ kg per litter @ $20^{\circ}$ C | SMALL SPILLS: Absorb spill with inert material<br>(e.g. sand, earth) and dispose of as waste<br>material in accordance with local, state and<br>federal regulations.<br>LARGE SPILLS: Keep spectators away. Floors may<br>be slippery; use care to avoid falling. Dike and<br>contain spill with inert material (e.g. sand, earth).<br>Transfer liquid to containers for recovery or<br>disposal and solid diking material to separate<br>containers for disposal. Keep spills and cleaning<br>runoff out of sewers and open bodies of water.<br>WASTE DISPOSAL: Dispose of as waste<br>material in accordance with local, state,<br>and federal regulations.<br>SECTION VIII: SPECIAL PROTECTION<br>PERSONAL PROTECTIVE EQUIPMENT (PPE)<br>EYES: None required under normal conditions of<br>use. Safety glasses recommended.<br>SKIN: If prolonged or repeated contact is<br>possible, chemical-resistant clothing (e.g., rubber<br>gloves) is recommended.<br>RESPIRATORY: No respiratory protection is | (29CFR1910.1200).<br>***IMPORTANT SAFETY INFORMATION<br>DO NOT DISCARD***   |

Pioneer Eclipse

LTPD336-02/06