



Formulations For Today's
Technical Manufacturing Needs

An ISO 9001:2000 Certified Company

ASTRO-CLEAN E

General Description

ASTRO-CLEAN E is a biodegradable, user-friendly, citrus solvent degreaser which replaces mineral spirits and chlorinated solvents for removal of oily soils. It is water extendable, safe on all metals and is effective at room temperature as well as heated up to 150° F. It actively inhibits rust and corrosion at dilutions of 1:10. **ASTRO-CLEAN E** contains natural citrus solvent, detergents and emulsifiers.

Application

ASTRO-CLEAN E may be used in soak tanks, spray washers, mop and bucket and manual applications. It can be used as is or extended with 10 parts water to 1 part **ASTRO-CLEAN E**.

Advantages

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|---|-----------------------------|
| • Versatile - Removes Most Oils, Greases and Sludge | • Mixes Readily With Water |
| • Biodegradable, Non-Hazardous | • Pleasant Orange Fragrance |
| • Economical - Water Extendable | • Operator Friendly |

Mixing Instructions

Heavy Oil or Grease Film	Use As Is or 1:1
Moderate Oil Film	1:1 - 5:1
Light Oil Film	5:1 - 10:1

Concentration Check

An optical refractometer may be used for determining concentration.

CONCENTRATION	(1:1)	(5:1)	(10:1)	(15:1)
REFRACTOMETER READING	13.0	5.0	2.5	1.9

Typical Properties

Appearance-Concentrate	Clear Orange liquid
pH @ 20:1	9.2 ± 0.2
Specific Gravity @ 60°F	0.99 ± 0.03
Lbs/Gallon	8.3 ± 0.1
Flash point, TCC	None

Packaging

ASTRO-CLEAN E is available in 5 gallon pails, 55 gallon drums and 275 gallon IBCs. Material Safety Data Sheets are available for all products. All reasonable care has been taken to ensure that the above information is accurate as of the date of printing.

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