

# TECHNICALLY SPEAKING



Oil Eater® **Orange Cleaner** is a ZERO VOC, highly concentrated, water based alkaline cleaner enhanced with the boosted solvency of citrus. This advanced cleaning system has been designed specifically to outperform conventional cleaners on adhesives, petroleum greases, and resins while remaining versatile, powerful, and safe.

Oil Eater® **Orange Cleaner** meets or exceeds the most stringent of VOC standards including California's 2013 CARB regulations. Most importantly, **Orange Cleaner** meets this standard without sacrificing the superior cleaning of the Oil Eater® brand.

Oil Eater® Orange achieves its cleaning strength through the combined actions of **solvency, surface tension reduction, coupling ability, builders, and alkalinity**. This corrosion-inhibited product is tested safe and effective.

---

## SOLVENCY

Oil Eater® Orange uses a unique combination of non-petroleum solvents to dissolve the toughest of cleaning challenges. These solvents act to loosen and remove adhesive, grease, and resin soils from surfaces. Once these soils are removed they may be simply rinsed away with water.

---

## SURFACE TENSION REDUCTION

Oil Eater® Orange uses specially formulated, readily biodegradable surfactants to lower the surface tension of the water and to penetrate both water soluble and oil soluble soils. Once the surface tension of the water is lowered, more thorough contact of the soiled surface by the cleaner is achieved.

---

## COUPLING ABILITY

Oil Eater® Orange is a very strong coupler. With this capability and its inherent cleaning power, Oil Eater works to pull oil and water soluble dirt from the soiled surface. Oil Eater's unique emulsification property causes the coupling of oil soluble dirt with water. This action keeps the soils suspended in the cleaning solution preventing the redeposit of the soils on the surface being cleaned.

---

## **BUILT FOR STRENGTH**

Oil Eater<sup>®</sup> Orange uses highly refined chemicals known as builders to improve cleaning strength. These inorganic materials work to disperse solid soils and enhance water softening

---

## **ALKALINITY**

Oil Eater<sup>®</sup> Orange is a highly alkaline product. This means that the pH of Oil Eater is above 7.0. Alkalinity is essential to cleaning fats and oils. It works to breakup these soils into small particles. This then allows the other cleaning actions of Oil Eater<sup>®</sup> to perform more efficiently.

---

## **TECHNICAL DATA**

Appearance	Semi Transparent Orange Liquid
PH (Modified ASTM D-1172)	
Of concentrate	12.5
Of 10% solution	11.2
Specific Gravity (ASTM D-891), 20 <sup>o</sup> C	1.052
Refractive Index (ASTM D-1218), 20 <sup>o</sup> C	15.5
Available Alkali Content	3.0 as $NA^2SIO^{35}H^2O$

---

## **PRODUCT HANDLING**

- Avoid prolonged contact with aluminum surfaces.
- Prolonged contact with glass may result in etching.
- If extensive contact with skin is expected, chemically resistant gloves are recommended.
- CONSULT Oil Eater<sup>®</sup> Orange MATERIAL SAFTEY DATA SHEET FOR FURTHER DETAILS

---

## **PRODUCT CHARACTERISTICS**

ULTRA CONCENTRATED  
BIODEGRADABLE  
SUPERIOR MULTI-SURFACE CLEANING  
NON-FLAMMABLE  
NON-ACIDIC  
Zero VOC per 2013 CARB standards