



## HIGH DETERGENCY HIGH FOAMING INDUSTRIAL CLEANER AND DEGREASER

- Non-Butyl
- Non-Toxic
- Non-Solvent
- Lifts Grease
- Cuts Animal Fats
- Cuts Vegetable Fats
- Non-Emulsifying
- Reduces Grease Trap Maintenance
- Low Foam and Neutral pH Formulations
- NSF Certified
- Airbus AIMS09-00-002
- Boeing D6 7127 Rev P217
- Boeing D6 17487 Rev T
- Douglas CSD No 1 Type I

SynClean HD is unlike any industrial degreaser on the market. Its superior degreasing power comes from a patented ingredient that safely lifts grease from any surface without the use of solvents. As such, it easily removes petroleum-based oils, vegetable and animal fats, along with dirt, protein, soils and more.

Other degreasers with the power of SynClean are solvent or butyl based, and work by emulsifying the grease from the top of the stain down to the surface where it lies. SynClean encapsulates each hydro-carbon molecule, lifting it from the surface. This means SynClean does not break down the hydrocarbons to where they absorb water, take on weight and sink to the bottom of a grease trap or containment unit. The grease pulled away by SynClean remains in its original form.

SynClean also contains detergent, wetting and sequestering agents, penetrants, rust and corrosion inhibitors making it a true all-in-one cleaner for any use. And a little goes a long way. At a 5:1 dilution SynClean easily removes caked-on hydraulic fluid. At 10:1 SynClean easily cleans a dirty fry hood, or removes caked on milk residue. Use at 30:1 for carpets, vehicles or floors. Even at 100:1 SynClean will clean filthy windows and leave behind a streak free finish.

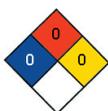
SynClean is so safe it is recommended by truck giants Volvo and Mack to safely clean big rigs. It is also used by major commercial airlines to wash airplane exteriors and interiors. It was even used to clean the Space Shuttle.

The HD stands for high detergency which will provide ample foam. Ask about SynClean LF (low foaming) for applications where foam is not desired. SynClean works equally with cold or hot water and is safe for use in rotary, steam cleaning machines and car parts washers. SynClean N (neutral) gives you SynClean power with a neutral pH.

And because SynClean comes with a triple-zero HMIS score, you can store and use the product without special considerations.

NSF certified A1, A4, A5, A8, C1 and K1. SynClean is also certified Kosher Pareve in our food processing line Phlex.

The formula and its ingredients meet or exceed the EPA's Safer Choice program requirements for both the safety of the environment and the user.



## Technical Data

BIODEGRADABLE: Yes/100%  
FORM: Liquid  
ODOR: Mild Soapy Odor  
COLD STABILITY: -18° F  
DETERGENCY: Excellent  
PHOSPHATES: None  
WETTING ABILITY: Excellent

FLAMMABILITY: Non-Flammable  
BOILING POINT: 245° F  
SOLUBILITY IN WATER: 100%  
VOCs: None  
VOLATILE BY VOLUME: N/A  
CARCINOGENS: None  
SHELF LIFE: 2 Years

## Dilution Specification

Please refer to the product label.

## Common Uses

SynClean HD is a super concentrated industrial cleaner which at different dilutions can be used in almost countless environments.

Cleaning Uses  
Drilling Rigs  
Asphalt Removal  
Oil Cleanup  
Grease Removal  
Heavy Equipment  
Rental Yards  
Restaurant Degreasing  
Carbon Removal  
Truck or Auto Washing  
Carpets  
Shop Floors  
Protein Stains  
Parts Cleaner/Degreaser  
Wheel Cleaning

## DOT STATEMENT

Non-D.O.T. Regulated/Non-D.O.T. Hazardous  
EXEMPT as per 49 CFR 173.154(d) (1) <6.25 mmpy

D. O. T. classifies a material to be corrosive and hazardous if it has a corrosion rate that exceeds 6.25 mmpy on SAE C1020 carbon steel or 7075- Y6 Aluminum.

## Toxicity Studies

Toxicity Limits: Test Procedure OECD 202, 48 hr. LC 50 and LD 50 (rat oral: NON-TOXIC)

Mutagenicity Limits: OECD Guidelines Sec. 471 Chemicals:  
NON-MUTAGENIC

### Dermal Irritation & Corrosion

A modified Draize method was used as described in OECD Guidelines for the Testing of Chemicals Sec. 404 and complies with the requirements of OECD Principles of GLP, Annex revised as of July 1992.

SynClean HD is classified as a "Non-Skin Irritant".

### Biodegradation & Aquatic Safety

Test Procedure: Hach Reactor Digestion method for Waste Water and Sea Water. Hach Reactor Digestion Method is a semi-micro adaptation of the Standard Methods.

SynClean HD is 100% Biodegradable.

## Classifications & Approvals

D.O.T., IMO, IATA , IMDG - Non-Regulated

TDG - Non-Regulated to and through Canada

SARA 313 311/312 - This product does not contain any ingredients that are subject to the reporting requirements.

California Prop 65 - This product does not contain any ingredients known to the state of California to cause cancer, birth defects or any other reproductive harm.

FDA - Recognized as Safe (GRAS)

USDA Authorization  
A1, A2, A4, A8, C3

NSF  
A1, A2, A3, A4, A5, A8, C1, C2 & D1

Additional Studies & Results: When tested, SynClean HD showed no potential for the generation of Carbon Dioxide under NIOSH 7903, OSHA & ACGIH testing protocols governing workplace environments.