



LOW FOAMING INDUSTRIAL CLEANER AND DEGREASER



- Non-Butyl
- Non-Solvent
- Lifts Grease
- Cuts Animal Fats
- Cuts Vegetable Fats
- Non-Emulsifying
- USDA and FDA Compliant
- Reduces Grease Trap Maintenance
- Low Foaming
- Non-Corrosive
- MIL PRF 85570, Type 2

SynClean LF (Low Foam) 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 and vegetable and animal fats, along with dirt, soils and grime.

Other degreasers are solvent- or butyl-based cleaners. They work by emulsifying the grease from the top of the stain down to the surface where it lies. SynClean encapsulates each hydrocarbon molecule, effectively lifting it from the surface. This also means that we do not break down the hydrocarbons to where they absorb water, picking up weight, sinking them to the bottom of a grease trap or containment unit. The grease we pull away remains in a form to be easily removed.

SynClean also contains detergents, wetting agents, sequestering agents, penetrates, rust and corrosion inhibitors making it a true all-in-one cleaner for any use. A little goes a long way! At a 10:1 dilution, SynClean easily removes caked-on hydraulic fluids or grease. Use at 30:1 for carpets, vehicles, floors, etc. SynClean works great with warm or cold water and is safe in steam cleaners and rotary machines. SynClean LF is ideal for carpet and rotary cleaners or any process which requires little to no foam. Ask your dealer about SynClean HD (High Detergency) as well.

SynClean will safely clean anything! While it has the power to remove asphalt from heavy machinery, it will do the same on your truck, car, RV or equipment with no danger to your finish.

SynClean LF is NSF certified A1, A4, A5, A8, C1 and K1 making it ideal for the food processing industry.



Technical Data

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|-----------------------------|---------------------------|
| NITRATE LEVEL: 0% - None | SHIPPER REGULATIONS: None |
| FORM: Liquid | FLASH POINT: None |
| ODOR: Mild Soapy Odor | BOILING POINT: 212° F |
| COLD STABILITY: -18° F | SOLUBILITY IN WATER: 100% |
| DETERGENCY: Strong | BIODEGRADABLE: Yes/100% |
| TOXICITY: Non Toxic | VOLATILE BY VOLUME: N/A |
| WETTING ABILITY: Excellent | CARCINOGENS: None |
| STORAGE STABILITY: 3 Years+ | VISCOSITY: Thin |

Common Uses

SynClean LF 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

Metal Studies

Dept. of Transportation (D.O.T.) Test Protocols as per Section 173.154
Exceptions for Class 8 (corrosive materials): The material being tested must be proven to be non-destructive or not to cause irreversible alterations in human skin tissue. Testing was conducted on an albino rabbit.

Conclusion: SynClean LF proven to be NON-DESTRUCTIVE on human skin tissue.

Metal Test Limits: D.O.T. Classifies a material to be CORROSIVE if it has a corrosion rate that exceeds 6.25 mmpy on SAE C1020 carbon steel or 7075-Y6 Aluminum.

| | |
|-------------------------|-----------------------------------|
| Results of SynClean LF: | SAE 1020 carbon steel = 0.00 mmpy |
| | 7075-Y6 aluminum = 0.00 mmpy |

Conclusion: SynClean LF is NON-CORROSIVE

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

Dilution Specifications

Please refer to the product label.

Toxicity Studies

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

Mutagenicity Limits: OECD Guidelines Sec. 471 Chemicals
SynClean LF was found NOT TO BE MUTAGENIC

Dermal Irritation & Corrosion Test

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 LF received a Primary Irritation Score of .4 +/-0.1 and 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.

Test Results Conclude SynClean LF was found to be 100% Biodegradable

COD = Low Detectable Limits

BOD = No Detectable Limits

Classifications & Approvals

D.O.T., TDG, IMO, IATA, IMDG, SARA 313 311/312, California Prop 65
NON-Regulated

FDA

Approved as Safe (GRAS)
(CGMP) CFR 184.1923

USDA Authorization

A1, A2, A3, A4, A7, A8, C2,

Mil Spec

MIL PRF 85570 D, Type 2

EPA Design for Environment

Recognized for Safer Chemistry www.epa.gov/dfs

NSF

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