

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Section 1	CHEMICAL PRODUCT SECTION
------------------	---------------------------------

Identification: Product Name: ACL Flux Remover No Clean EXTRA
Product Number: 8607
Synonym: Chemical solder flux cleaner

Recommend use: Remover of flux and silicone-based materials

Manufacturer: ACL Incorporated
840 W 49th Place
Chicago, IL 60609
PH: (01) 847.981.9212 [U.S.A.]
FAX: (01) 847.981.9278 [U.S.A.]

Emergency telephone: INFOTRAC: (01) 800.535.5053 (day or night)

Section 2	HAZARDOUS IDENTIFICATION
------------------	---------------------------------

2.1 Classification of the substance or mixture

Product definition: Mixture

Physical hazards

Extremely flammable aerosol
Gases Under Pressure

Category 1
Liquefied gas

Extremely flammable aerosol
Contains gas under pressure; may
explode if heated.

Environmental hazards

Aquatic hazard

Category 2

Toxic to aquatic life with long
lasting effects.

2.2 Label Elements

Signal word:

DANGER

Hazard statement(s):

Extremely flammable aerosol
Contains gas under pressure; may explode if heated



Hazard symbol(s):

Precautionary statement(s) Prevention:

Keep away from heat/sparks/open flames/hot surfaces. -No
smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Toxic to aquatic life with long lasting effects.

Emergency Overview: Product is extremely flammable. Pressurized container may explode when exposed to heat or flame. Contact may cause skin and eye irritation. Mist may cause nose and throat irritation. Ingestion may cause nausea, vomiting, pain, upset stomach, and diarrhea.

Potential health effects:

Skin Contact: This product may cause irritation to the skin. Prolonged or repeated contact with this product may dry and/or defat the skin. This product may be harmful if it is absorbed through the skin.

Eye Contact: Liquid or vapors may irritate the eyes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Eye contact may lead to permanent damage if not treated promptly

Ingestion: This product is harmful if swallowed. Ingestion can cause gastrointestinal irritation, nausea, and diarrhea. **Inhalation:** This product may cause dizziness, nausea, upper respiratory irritation, drowsiness,

mental depression or narcosis, difficulty in breathing, irregular heart-beats. See Section 8 for recommended exposure limits.

Section 3 COMPOSITION / INFORMATION ON INGREDIENTS				
CHEMICAL	C.A.S. Number	EC#	Weight %	EU Classification and Risk phrases
Hexamethyldisiloxane	107-46-0	203-492-7	45-50%	Flam. Liq. 2; Aquatic Acute 1; Aquatic Chronic 1; H225, H410
Propane	74-98-6	200-827-9	2-12%	F+; R12
Butane	106-97-8	203-448-7	2 – 12%	F+; R12

Section 4 FIRST AID MEASURES

Inhalation: Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration. Call a physician if symptoms develop or persist.

Eye Contact: Immediately flush with plenty of water for at least 15 minutes, holding eyelids open at all times. Get medical attention immediately.

Skin Contact: Wash immediately with soap and water. If irritation persists, get medical attention.

Ingestion: If the material is swallowed, get immediate medical attention or advice. DO NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Seek immediate medical attention. Do not give anything.

Section 5 FIRE FIGHTING MEASURES

Flash Point: concentrate: <18°C **propellant:** -132.23°F

Flammability limits in air: 7.0 upper % by volume concentrate 1.0 lower % by volume concentrate
9.5 upper % by volume propellant 1.8 lower % by volume propellant

Basic Fire Fighting Procedures Dangerous when exposed to heat or flame. This material can be ignited by flame or spark under normal atmospheric condition. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back. Pressurized Container: May explode when exposed to heat or flame. Empty containers may retain product residue including Flammable or Explosive vapors. DO NOT cut, drill, grind, or weld near full, partially full, or empty product containers.

Fire Fighting Instructions: Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

Extinguishing Media: Use dry chemical, carbon dioxide, or foam. Use water to cool fire-exposed containers and to protect personnel. Do not direct a solid stream of water or foam into hot, burning pools this may result in frothing and increase fire intensity.

Dust Explosion Hazard: None known. **Sensitivity To Mechanical Impact:** Container could potentially burst or be punctured upon mechanical impact, releasing flammable vapors.

Unusual Fire & Explosion Hazards: During a fire, irritating and highly toxic gases may be generated during combustion or decomposition. High temperatures can cause sealed containers to rupture due to a build up of internal pressures. Cool with water.

Section 6 ACCIDENTAL RELEASE MEASURES
--

Emergency Action: Evacuate the area promptly and keep upwind of the spilled material. Isolate the spill area to prevent people from entering. Wear appropriate protective equipment and clothing during clean-up.

Containment: Stop discharge if safe to do so. Stop material from contaminating soil or from entering sewers or water streams. Cover spills with non-flammable absorbent and place in closed chemical waste containers.

Section 7	HANDLING AND STORAGE
------------------	-----------------------------

Handling: Keep this product away from heat, sparks or open flame. Avoid getting this material into contact with your skin and eyes. Avoid breathing mists or aerosols of this product. Use this product with adequate ventilation. Do not reuse the empty container.

Storage: Store in a cool, dry, well-ventilated area. Do not handle or store near an open flame, heat or other sources of ignition. Keep out of direct sunlight.

Storage Temperatures: Ambient. Avoid freezing and do not store at temperatures above 120 ° F (48.9°C)

Storage Pressure: Atmospheric

General: Read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

Empty Container Precautions: Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container.

Section 8	EXPOSURE CONTROL / PERSONAL PROTECTION
------------------	---

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): Exposure Limits 8 Hours TWA (ppm)

Component(s)	TLV	OSHA-PEL
Hexamethyldisiloxane	No information available.	
Propane	1000ppm	
Butane	1000ppm	

Engineering Controls: Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

Personal Protection:

General: Use good hygiene practices in handling this material.

Respiratory Protection: Use NIOSH approved respiratory protection. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA).

Skin and Body Protection: Impervious gloves should be used when handling this product. Use of protective coveralls and long sleeves is recommended.

Eye Protection: Wear goggles or safety glasses with side shields.

Section 9	PHYSICAL AND CHEMICAL PROPERTIES
------------------	---

a) Appearance	Form: aerosol
	Color: colorless
b) Odor	Petroleum Distillate, Faint Odor
c) Odor Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	Melting point/range: no data available
f) Initial boiling point and boiling range	NA
g) Flash point	concentrate: <64.4°F / 18°C, TCC; propellant: -132.23°F / -91.24°C, TCC
h) Evaporation rate	>1 (butyl acetate=1)
i) Flammability (solid, gas)	Expected to be a flammable aerosol
j) Upper/lower flammability limits (in air)	7.0 upper % by volume concentrate 1.0 lower % by volume concentrate 9.5 upper % by volume propellant 1.8 lower % by volume propellant
k) Vapor pressure	no data available
l) Vapor density	no data available
m) Relative density	no data available
n) Water solubility	no data available
o) Partition coefficient:	no data available
p) Auto-ignition temperature	no data available

Section 15 REGULATORY INFORMATION

United States Federal Regulations: MSDS complies with the OSHA, 29 CFR 1910.1200.

SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:

Section 302 – None of the chemicals are EPCRA hazards

CERCLA/Superfund, 40 CFR 117, 302: None

CHEMICAL	C.A.S. Number	Weight %	Section 311/312
Hexamethyldisiloxane	107-46-0	45-50%	Chronic Health Hazard; Fire Hazard
Propane	74-98-6	2-12%	Fire Hazard, Sudden Release of Pressure Hazard
Butane	106-97-8	2-12%	Chronic Health Hazard; Fire Hazard

Section 313 – List of Toxic Chemicals (40CFR 372): This product does not contain chemicals (at level of 1% or greater) found on the 313 list of Toxic Chemicals.

Toxic Substance Control Act (TSCA): **All substances are TSCA listed.**

Resource Conservation and Recovery Act (RCRA 40 CFR 261) Subpart C & D: Refer to Section 13

Federal Water Pollution Control Act, Clean Water Act, 40 CFR 401.15 (formerly section 307) 40 CFR 116

(formerly section 311): This product does not contain listed chemicals

STATE REGULATIONS:

This MSDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

STATE	CHEMICAL	C.A.S. NUMBER	WEIGHT %
PA, NJ	Hexamethyldisiloxane	07-46-0	45-50%
PA, NJ, MA	Butane	106-97-8	2 – 12%

California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

INTERNATIONAL REGULATIONS:

REACH: Registration numbers are not available for this substances in this product as the substances or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

To the best of our ability, this SDS is written in accordance to REACH Directive EC1907/2006 Annex II and GHS requirements. This product does not contain substances listed on the Candidate List of Substances of Very High Concern (SvHC).

Sections 16 OTHER INFORMATION

HMIS HAZARD RATING:

HMIS Health: Slight Hazard. Irritation or minor reversible injury possible.

HMIS Flammability: Materials capable of ignition under almost all normal temperature conditions.

HMIS Reactivity: Minimal Hazard. Stable

HMIS Personal Protection: B. Safety glasses and protective gloves should be worn when handling this material

1	HEALTH
3	FLAMMABILITY
0	REACTIVITY
B	PROTECTIVE EQUIPMENT

REVISION DATES, SECTIONS, REVISED BY:

02-June-14 Original Release, Mary Kay Botkins

03-June-14 Section 2, mkb

14-Nov-14 Name change, mkb

ABBREVIATIONS USED IN THIS DOCUMENT:

NE – Not Established, NA – Not Applicable, NIF – No Information Found, ND – Not Determined

ABRIDGED LIST OF REFERENCES:

Code of Federal Regulations (CFR)
The Sigma-Aldrich Library of Regulatory and Safety Data
Chemical Guide and OSHA Hazardous Communication Standard
The Environmental Protection Agency (www.epa.gov)
http://oehha.ca.gov/prop65/prop65_list
<http://orise.orau.gov/emi/hazards-assessment/files/resources/epa-title3.pdf>

To the best of our knowledge, the information contained herein is accurate. **However, neither ACL STATICIDE nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.** Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.