

Safety Data Sheet

according to Regulation (EU) No. 2015/830 [CLP/GHS] & (US) OSHA HCS 29 CFR 1910.1200 rev.2012:

Section 1. CHEMICAL PRODUCT and COMPANY IDENTIFICATION

- 1.1 Identification:** Product Name: Flux Remover Rosin
Product Number: 8621, AS1035
CAS#: Mixture (see section 3)
- 1.2 Product description:** Flux remover for rosin flux.
Product type: Liquid
Application: Industrial applications, professional applications
- 1.3 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.]
- Email of responsible party for SDS :** marykay@aclstaticide.com
- 1.4 Emergency telephone:**
US/Canada Emergency TEL: INFOTRAC: (01) 800.535.5053 (day or night)
International Emergency TEL: INFOTRAC: 352.323.3500 (day or night)

Section 2 HAZARDOUS IDENTIFICATION

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] & (US) OSHA HCS/HazCom 2012:

2.1 Classification of the substance or mixture

Product definition: Mixture

Percentage of mixture consisting of ingredients of unknown toxicity: < 1%

Physical/chemical hazards: Extremely flammable aerosol; Pressurized container: May burst if heated - Category 1

Human health hazards: Aspiration Hazard - Category 1
Skin Irritation - Category 2
Eye Irritation - Category 2A
Reproductive Toxicity - Category 2
Acute toxicity Oral Category 5
Specific Target Organ Toxicity -Single Exposure (Narcotic Effects) - Category 3
Specific Target Organ Toxicity - Repeated Exposure - Category 2

Environmental hazards: Chronic aquatic toxicity - Category 2
Acute aquatic toxicity - Category 3

2.2 Label Elements



Hazard Pictograms:

Signal word: Danger

Hazard statements:

H222 - Extremely flammable aerosol

H229 - Pressurised container: May burst if heated

H336 - May cause drowsiness or dizziness

H373 - May cause damage to organs through prolonged or repeated exposure
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H361 - Suspected of damaging fertility or an unborn child
H303 - May be harmful if swallowed
H402 - Harmful to aquatic life
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements

General

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.

Prevention:

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P271 - Use only outdoors or in a well-ventilated area.
P233 - Keep container tightly closed.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P273 - Avoid release to the environment.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Do not pierce or burn, even after use.

Response:

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 - Call a POISON CENTER/doctor if you feel unwell.
P314 - Get Medical advice/attention if you feel unwell.
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331 - Do NOT induce vomiting.
P302 + P352 - IF ON SKIN: Wash with plenty of water.
P321 - For specific treatment see section 4.
P332 + P313 - If skin irritation occurs: Get medical advice/attention.
P362 + P364 - Take off contaminated clothing. And wash it before reuse.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
P308 + P313 - IF exposed or concerned: Get medical advice/attention.
P391 - Collect spillage.

Storage

P403 + P405 - Store in a well-ventilated place. Store locked up.
P405 - Store locked up.
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Disposal

P501 - Dispose of contents/container to disposal recycling center. Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

2.3 Other Hazards: NA

Supplemental label elements: NA

Annex XVII: Not applicable

Section 3

COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Substance/Mixture : Mixture

CHEMICAL	C.A.S. Number	Weight %	GHS Classification
1,1,1,2 Tetrafluoroethane	811-97-2	21-34	Press. Gas Compr. Gas; H280
2-Methyl Pentane	107-83-5	18 – 29	Flam. Liq. 2; Skin Irrit. 2; STOT SE 3; Asp. Tox. 1; Aquatic Acute 2; Aquatic Chronic 2; H225, H304, H315, H336, H411
2,3-Dimethyl Butane	79-29-8	5 - 12	Flam. Liq. 2; Skin Irrit. 2; STOT SE 3; Asp. Tox. 1; Aquatic Acute 2; Aquatic Chronic 2; H225, H304, H315, H336, H411
3-Methyl Pentane	96-14-0	5- 12	Flam. Liq. 2; Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; Asp. Tox. 1; Aquatic Acute 2; Aquatic Chronic 2; H225, H304, H315, H319, H336, H411
2,2-Dimethyl Butane	75-83-2	4 - 9	Flam. Liq. 2; Skin Irrit. 2; STOT SE 3; Asp Tox 1; Aquatic Acute 2; Aquatic Chronic 2; H225, H304, H315, H336, H411
Ethyl Alcohol	64-17-5	3 - 6	Flam. Liq. 2; Eye Irrit. 2A; H225, H319
Isopropyl alcohol	67-63-0	3 - 6	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Acetone	67-64-1	3 - 6	Flam. Liq. 2; Eye Irrit. 2A; STOT SE 3; H225, H319, H336
n-Hexane	110-54-3	1.1 - 2	Flam. Liq. 2; Skin Irrit. 2; Repr.2; STOT SE 3; STOT RE 2; Asp. Tox. 1; Aquatic Acute 2; Aquatic Chronic 2; H225,H304, H315, H336, H361f, H373, H411
CO2	124-38-9	Trace	Not classified

Section 4	FIRST AID MEASURES
------------------	---------------------------

4.1.1 General Information: If exposed or concerned: Get medical advice/attention

4.1.2 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.

4.1.3 Skin: Immediately flush with plenty of soap and water for at least 15 minutes. If irritation persists, get medical attention.

4.1.4 Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Get prompt medical attention.

4.1.5 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.

4.1.6 Self-protection of the first aider: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Section 5	FIRE FIGHTING MEASURES
------------------	-------------------------------

5.1 Extinguishing Media

Suitable extinguishing media : Use dry chemical, carbon dioxide, or foam. Use water to cool fire-exposed containers and to protect personnel.

Unsuitable extinguishing media: Do not direct a solid stream of water or foam into hot, burning pools this may result in frothing and increase fire intensity.

5.2 Specific hazards arising from substance or mixture

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.

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 buildup of internal pressures.

5.3 Advice from fire fighters

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

Cool with water

Section 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Avoid breathing vapor. Avoid contact with skin, eye or clothing. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

For emergency responders: Positive pressure, full-face piece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

6.2 Environmental precautions Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

6.3 Methods and material or containment and cleaning up

6.3.1 For containment: Cover spills with inert absorbent and place in closed chemical waste containers.

6.3.2 For cleaning up: Cover spills with inert absorbent and place in closed chemical waste containers.

6.3.3 Other information: Keep away from heat. Keep away from sources of ignition.

6.4 Reference to other sections: For personal protection, see Section 8

Section 7 HANDLING AND STORAGE

7.1 Precautions for safe handling:

Wash hands after use.

Do not get in eyes, on skin or on clothing.

Do not breathe vapors or mists.

Use good personal hygiene practices.

Eating, drinking and smoking in work areas is prohibited.

Remove contaminated clothing and protective equipment before entering eating areas.

Eyewash stations and showers should be available in areas where this material is used and stored.

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

7.2 Conditions for safe storage including incompatibilities:

Store in a cool, dry, well-ventilated area. Keep away from direct sunlight.

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

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

Incompatible Materials: None known based on information supplied.

7.3 Specific end use(s) Apart from the uses mentioned in section 1.2: No other specific uses are stipulated

Section 8 EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

ingredient name	OSHA TWA	ACGIH TLV	NIOSH TWA	WEL UK
1,1,1,2 Tetrafluoroethane	2.5 Mg/m ³	2.5 Mg/m ³	No data	No data
2-Methyl Pentane	No data	500 ppm 1000 ppm (STEL)	No data	No data
2,3-Dimethyl Butane	No data	500 ppm 1000 ppm (STEL)	No data	No data
3-Methyl Pentane	No data	500 ppm 1000 ppm (STEL)	No data	No data
2,2-Dimethyl Butane	No data	500 ppm 1000 ppm (STEL)	No data	No data
Ethyl Alcohol	No data	1000 ppm (STEL)	No data	No data
Isopropyl alcohol	400 ppm TWA ; 980 Mg/m ³ 500 ppm STEL ; 1225 Mg/m ³	400 ppm TWA ; 983 Mg/m ³ 500 ppm STEL ; 1230 Mg/m ³	5 ppm TWA 240 Mg/m ³ 500 ppm STEL 1225 Mg/m ³	No data
Acetone	1000 ppm 2400 mg/m ³	250 ppm 1000 ppm (STEL)	250 ppm 590 mg/m ³	No data
n-Hexane	500 ppm 1800 mg/m ³	50 ppm 176 mg/m ³	50 ppm 176 mg/m ³	No data
CO ₂	5000 ppm; 9000 Mg/m ³	No data	400 ppm 980 mg/m ³ 500 ppm STEL ; 1225 Mg/m ³	No data

Recommended monitoring procedures: Not established

DNELs/DMELs: No DNELs/DMELs available.

PNECs: No PNECs available

8.2 Exposure controls:

8.2.1 Appropriate engineering controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. See section 2 for component exposure guidelines. Local Exhaust ventilation acceptable

8.2.2 Personal protective equipment Ensure the safety showers are proximal to the work-station location. Wear lab coat.

8.2.2.1 Eye and face protection Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

8.2.2.2 Skin protection Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene, or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, and dexterity.

8.2.2.3 Respiratory protection Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

8.2.2.4 Thermal hazards: Wear appropriate thermal protective clothing, when necessary

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

In case of large spill: Splash goggles, full suit, vapor respirator, boots, gloves and a self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

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

9.1 Physical properties

Appearance: Physical Form Color	liquid Aerosol clear
Odor	Characteristic solvent
pH	No data
Melting point/freezing point	No data
Initial boiling point and boiling range	No data
Flash point and method	< 64.4°F / < 18°C
Evaporation rate	>1 (butyl acetate=1)
Flammability (solid, gas, liquid)	Flammable aerosol
Upper/lower flammability or explosive limits	7.0 upper % by volume concentrate 1.0 lower % by volume concentrate
Vapor pressure	No data
Vapor density (air=1)	No data
Relative density	No data
Solubility(ies).	No data
Partition coefficient: n-octanol/water	No data
Autoignition temperature	No data
Decomposition temperature	No data
Viscosity	No data
Volatile by weight	No data

9.2 Other safety information

Density	.11844 lb/gal
Density VOC	.07653 lb/gal
Specific Gravity	5.49
Surface Tension (dynes/cm 25C):	17.5
VOC Actual	9.17070 g/l .07653 lb/gal
VOC %	64.61700%

Section 10	STABILITY AND REACTIVITY
-------------------	---------------------------------

10.1 Reactivity: Material is stable at standard temperature and pressure.

10.2 Chemical stability: Stable under recommended storage conditions

10.3 Possibility of hazardous reactions: None under normal conditions. Hazardous polymerization will not occur under normal storage conditions.

10.4 Conditions to avoid: Keep away from direct sunlight and other sources of ignition.

10.5 Incompatible materials: Avoid strong oxidizers, reducers, acids, and alkalis.

10.6 Hazardous decomposition products: Carbon monoxide, carbon dioxide and hydrocarbon vapors.

Section 11	TOXICOLOGY INFORMATION
-------------------	-------------------------------

11.1 Information on toxicological effects

Acute toxicity

ingredient name	
1,1,1,2 Tetrafluoroethane	No data found
2-Methyl Pentane	No data found

2,3-Dimethyl Butane	No data found
3-Methyl Pentane	No data found
2,2-Dimethyl Butane	No data found
Ethyl Alcohol	LC50 (mouse): Approximately 21000 ppm (4-hour exposure); cited as 39 g/m ³ (4-hour exposure) (1, unconfirmed) LD50 (oral, rat): 7060 mg/kg (41); 10600 mg/kg (41); 13660 mg/kg (37) LD50 (oral, mouse): 3450 mg/kg (1, unconfirmed) LD50 (oral, guinea pig): 5560 mg/kg (37) The following medical conditions may be aggravated by exposure: liver disease. Tests in some laboratory animals indicate this compound may have embryotoxic activity. Tests in animals demonstrate reproductive toxicity. Ingestion may cause any of the following: stupor (central nervous system depression), gastrointestinal irritation. If absorbed through the skin, may be: harmful.
Isopropyl alcohol	LC50 (rat): 17000 ppm (4-hour exposure); cited as 12000 ppm (8-hour exposure) (18) LD50 (oral, male rat): 4710 mg/kg (cited as 6.0 mL/kg) (19) LD50 (oral, mouse): 3600 mg/kg (20, unconfirmed) LD50 (dermal, rabbit): 12870 mg/kg (cited as 16.4 mL/kg) (14) The following medical conditions may be aggravated by exposure: dermatitis, respiratory disease. Developmental toxicity was seen in rat's offspring at doses that were maternally toxic. Contact will cause moderate to severe redness and swelling, itching, tingling sensation, painful burning. May cause injury to the cornea of the eyes. Prolonged or repeated exposure may cause damage to any of the following organs/systems: liver. Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights.
Acetone	LC50 (male rat): 30000 ppm (4-hour exposure); cited as 71000 mg/m ³ (4-hour exposure) (29) LC50 (male mouse): 18600 ppm (4-hour exposure); cited as 44000 mg/m ³ (4-hour exposure) (29) LD50 (oral, female rat): 5800 mg/kg (24) LD50 (oral, mature rat): 6700 mg/kg (cited as 8.5 mL/kg) (31) LD50 (oral, newborn rat): 1750 mg/kg (cited as 2.2 mL/kg) (31) LD50 (oral, mouse): 3000 mg/kg (32, unconfirmed) LD50 (dermal, rabbit): Greater than 16000 mg/kg cited as 20 mL/kg (30) The following medical conditions may be aggravated by exposure: lung disease, eye disorders, skin disorders. Overexposure may cause damage to any of the following organs/systems: blood, central nervous system, eyes, kidneys, liver, respiratory system, skin.
n-Hexane	LC50 (male rat): 38500 ppm (4-hour exposure); cited as 77000 ppm (271040 mg/m ³) (1-hour exposure) (15) LC50 (rat): 48000 ppm (4-hour exposure) (16) LC50 (rat): 73680 ppm (260480 mg/m ³) (4-hour exposure) (n-hexane and isomers) (1,3) LD50 (oral, 14-day old rat): 15840 mg/kg (3) LD50 (oral, young rat): 32340 mg/kg (3) LD50 (oral, adult rat): 28700 mg/kg (3,16)
CO ₂	No data found

Conclusion/Summary : If inhaled, may cause dizziness, nausea, upper respiratory irritation, drowsiness, mental depression or narcosis, difficulty in breathing, irregular heartbeats.

Eye Irritation/Corrosion: Eye contact may lead to permanent damage if not treated promptly. 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. **Conclusion/Summary:** Causes serious eye irritation

Skin Irritation/Corrosion: 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. **Conclusion/Summary :** Irritating to skin

Skin sensitization

Conclusion/Summary: No data available

Sensitization to the respiratory tract

Conclusion/Summary: Not available.

Mutagenicity

Conclusion/Summary: No data available.

Carcinogenicity Conclusion/Summary:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity Conclusion/Summary: Suspected of damaging fertility or an unborn child

Teratogenicity Conclusion/Summary: Not available.

Specific target organ toxicity (single exposure) May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): Prolonged exposure may cause damage to her central nervous system, lungs, skin and eyes. May cause damage to organs through prolonged or repeated exposure

Aspiration hazard: May be fatal if swallowed and enters airways.

Information on the likely routes of exposure: Not available.

Section 12	ECOLOGICAL INFORMATION
-------------------	-------------------------------

12.1 Toxicity

Conclusion/Summary: Product is toxic to aquatic life with long lasting effects

12.2 Persistence and degradability

Product/ingredient name	Test	Result
Acetone	- OECD Test Guideline 301B	91% readily biodegradable, Method:

Conclusion/Summary: Not available

12.3 Bioaccumulative potential

Product/ingredient name	
Acetone	Does not bioaccumulate

Conclusion/Summary: Not available

12.4 Mobility in soil:

Soil/water partition coefficient (KOC): Not available.

Mobility: Not available.

12.5 Results of PBT and vPvB assessment

PBT: Not available.

vPvB: Not available.

12.6 Other adverse effects: No known significant effects or critical hazards.

Section 13	DISPOSAL CONSIDERATIONS
-------------------	--------------------------------

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

13.1.1 Product / Packing Disposal

Product

Methods of disposal: Offer surplus and non-recyclable solutions to a licensed disposal company

Hazardous waste: RCRA 40 CFR 261 Classifications: Code D001 Ignitable Waste

Contaminated Packaging

Methods of disposal: Dispose of as unused product. Waste packaging should be recycled.

Do not puncture, incinerate or compact aerosol can.

When contents are depleted continue to depress button until all gas is expelled.

13.1.2 Waste treatment-relevant information: Incineration or landfill should only be considered when recycling is not feasible. Handle empty containers with care because residual vapours are flammable

13.1.3 Sewage disposal-relevant information: Avoid release to the environment

13.1.4 Other disposal recommendations: Federal, State, and Local laws governing disposal of material can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14 TRANSPORTATION INFORMATION

	Proper Shipping Name	Hazard Class	Packing Group	UN number	Limitations
US DOT ground	Consumer Commodity	ORM-D	NA	NA	NA
US DOT air	Consumer Commodity	9	NA	1950	NA
IATA	Aerosols, Flammable	2.1	NA	1950	Y203
IMDG	Aerosols, Flammable	2.1	NA	1950	Y203
RID	Aerosols, Flammable	2.1	NA	1950	Y203
ADN	Aerosols, Flammable	2.1	NA	1950	Y203

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: Acetone 5,000 RQ

Chemical Name	%	Fire	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
1,1,1,2 Tetrafluoroethane	21-34		X			X
2-Methyl Pentane	5-12	x			x	
2,3-Dimethyl Butane	5 – 12	X			x	X
3-Methyl Pentane	5- 12	X			x	
2,2-Dimethyl Butane	4 - 9	x			x	X
Ethyl Alcohol	3 - 6	x			x	x
Isopropanol	3 - 6	x			x	
n-Hexane	1.1 – 2	x			x	x

Section 313 – List of Toxic Chemicals (40CFR 372):

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Isopropanol	67-63-0	3 - 6	1.0

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 SDS 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.

California Proposition 65: Chemicals in this product are not on the list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania
1,1,1,2 Tetrafluoroethane		X	X
2,2-Dimethylbutane 75-83-2	X	X	X
3-Methyl Pentane 96-14-0	X	X	X
2,3-Dimethylbutane 79-29-8	X	X	X
Ethyl Alcohol 64-17-5	X	X	X
Isopropanol 67-63-0	X	X	X
Acetone 67-64-1		X	X
n-Hexane 110-54-3	X	X	X

CANADA WHMIS:

This SDS is written in accordance to the Hazardous Products Regulation (HPR) SOR/2015-17, schedule 1.

This product has been classified in accordance with the Hazardous Products Regulation (HPR).

All Intentionally present components are listed on the DSL

Ingredient Disclosure List (SOR/88-64):					
<i>English</i>	<i>French</i>	<i>Substance</i>	<i>CAS</i>	<i>Threshold</i>	<i>Present in product</i>
1065	1290	2-Methyl pentane	107-83-5	1	18-29
734	622	2,3-Dimethylbutane	79-29-8	1	5 – 12
1118	1189	Neohexane	75-83-2	1	4-9
684	805	Ethyl Alcohol	64-17-5	0.1	3 – 6
904	1050	Isopropanol	67-63-0	1	3 – 6
828	964	n-Hexane	110-54-3	1	1.1 – 2
310	770	CO2	124-38-9	1	trace

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

EUROPEAN UNION: European Union: Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

SDS complies with Regulation (EU) No. 2015/830 [CLP/GHS]

Regulation (EC) No 1005/2009 Ozone-depleting substances (ODS): Not chemicals listed.

Regulation (EC) No 649/2012, Annex 1, Chemicals subject to PIC: No chemicals listed

Regulation (EC) No 850/2004, Annex 1: No persistent organic pollutants present.

Directive 96/82/EC Seveso III, Annex 1:

Part 1- This product is not categorized as a dangerous substance.

Part 2- No chemicals listed.

REACH Directive EC1907/2006 Annex II and GHS requirements: To the best of our ability, this SDS is written in accordance to the requirements. This product is not subject to REACH restrictions. It does not contain substances that are candidates on the SvHC.

15.2 Chemical Safety Assessment: No chemical safety assessment has been carried out

Sections 16	OTHER INFORMATION
--------------------	--------------------------

HMIS HAZARD RATING:

(3) Fire (1) Health (0) Reactivity (B) Protective Equipment

REVISION DATES, SECTIONS, REVISED BY:

19-Aug-13 Original Preparer: Steve Allen
03-OCT-13 revised section 16, Mary Kay Botkins
10-Jan-14 Changed name and part#, mkb
30-Oct-18 Reviewed and updated all sections, 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.