

Safety Data Sheet



1. Product and Company Identification

Product Name: **Ultralane® Stripper part A**
Material Uses: Stripper for Urethane, Epoxy, and other Polymeric Coatings & Adhesives
(M)SDS#: UltraStripA-20170822
Validation Date: August-22-2017
Supplier/Manufacturer: Specialty Polymers & Services, Inc. (SP&S, Inc.)
27822 Fremont Court
Valencia, California (CA) 91355, U.S.A.
Non-emergency phone number: (661) 294-1790 (7AM – 5PM PST)
E-mail: msds@spolymers.com

In case of emergency: Chemtrec (800) 424-9300 or (703) 527-3887

2. Hazards Identification

GHS CLASSIFICATION OF SUBSTANCE OR MIXTURE:

Skin corrosion/irritation:	Category 2, H315	Eye damage/irritation:	Category 2A, H319
Reproductive Toxicity:	Category 2, H361	Flammable Liquids:	Category 2, H225
Aspiration Hazard:	Category 1, H304	Carcinogenicity:	Category 2, H351
Specific Target Organ Toxicity - Single Exposure (Respiratory tract):	Category 3, H335	Specific Target Organ Toxicity - Repeated Exposure:	Category 2, H373
Specific Target Organ Toxicity - Single Exposure (Narcotic Effect):	Category 3, H336	Aquatic Hazard, Acute:	Category 3, H402
Acute Toxicity (Oral):	Category 4, H302	Acute Toxicity (Inhalation):	Category 3, H331

GHS LABEL ELEMENTS:

HAZARD SYMBOLS:



SIGNAL WORDS:

DANGER!

HAZARD STATEMENTS:

H315 Causes skin irritation.	H319 Causes serious eye irritation.
H361 Suspected of damaging fertility or the unborn child.	H225 Highly Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.	H351 Suspected of causing cancer.
H335 May cause respiratory irritation.	H373 May cause damage to organs through prolonged or repeated exposure.
H336 May cause drowsiness or dizziness.	H402 Harmful to aquatic life.
H302 Harmful if swallowed.	H331 Toxic if inhaled.

PRECAUTIONARY STATEMENTS:

PREVENTION: P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P243 Take precautionary measures against static discharge
P260 Do not breathe mists.

P261 Avoid breathing dust/fume/gas/mist/vapor/spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves, clothing, and eye/face protection.

RESPONSE: P301+P330+P331+P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER and/or doctor.
P303+P361+P364+P353+P352 IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower. Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical attention.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P311 Call a POISON CENTER and/or doctor.
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 attention.
P314 Get medical advice/attention if you feel unwell.
P370+P378 In case of fire: Use DRY chemical, DRY sand, alcohol-resistant foam, water spray/fog or carbon-dioxide to extinguish.
P391 Collect spillage.

STORAGE: P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

DISPOSAL: P501 Dispose of contents and containers in accordance with local, regional and international regulations.

Precautionary statements are listed according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS) – Annex III

See toxicological information (section 11)

General Information: Read entire MSDS for a more thorough evaluation of the hazards

3. Composition / Information on Ingredients

Name	CAS Number	%
3- Penten-2-one, 4-Methyl-	141-79-7	10 – 30
2-Butanone	78-93-3	10 – 30
Dimethyl benzene	1330-20-7	10 – 30
Tetrahydrofuran	109-99-9	10 – 30
Ethyl Benzene	100-41-4	1 – 10

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

4. First Aid Measures

Eye Contact:	Check for and remove any contact lenses. Immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.
Skin Contact:	In case of contact, wash affected areas with plenty of water, and soap, if available, for several minutes. Remove and clean contaminated clothing and shoes before re-use. Get medical attention if irritation occurs.
Inhalation:	Move exposed person to fresh air. If not breathing, give artificial respiration or oxygen. If breathing is difficult, transport to medical care and, if available, give supplemental oxygen. Loosen tight clothing such as a collar, tie, belt, or waistband. Get immediate medical attention.
Ingestion:	Wash out mouth with water. If swallowed dilute by giving two (2) glasses water to drink. Do not induce vomiting until direct to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical attention.
Note to physician:	No specific treatment. Treat symptomatically. Call poison control center if large quantities were ingested

5. Fire-Fighting Measures

Flash point:	> -14°C (7°F) closed cup
Hazardous Thermal	Decomposition products may include the following materials: carbon dioxide, carbon

Decomposition Products:	monoxide, halogenated compounds, nitrous oxides, and other oxides.
Extinguishing Media:	Carbon dioxide, foam, dry chemical, water spray as suitable for the surrounding fire.
Special Exposure Hazards:	Promptly isolate the scene by removing all persons from the vicinity of the fire. No actions shall be taken involving any personal risk or without suitable training.
Special Protective equipment for fire-fighters:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental Release Measures

Personal Precautions:	No actions shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering area. Do not touch or walk through spilled material. Avoid breathing vapor or mist and provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
Environmental Precautions:	Avoid dispersal of spilled material and runoff that leads to contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution.
Methods of Clean Up:	Stop leak if without risk. Move containers from spill area. Approach spill from up wind if possible. Prevent spill from entering sewers, rivers and other water courses, basements, or confined areas. Wash into effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material (e.g. sand, earth, vermiculite, or diatomaceous earth) and place in container for disposal according to local regulations. Dispose of only using a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information.

7. Handling and Storage

Handling:	Wear appropriate personal protective equipment (see Section 8) when handling. Eating, drinking, and smoking should be prohibited in areas where chemicals are handled, stored, or processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Persons with a history of skin sensitization problems should not be employed in processes where this material is used. Keep in the original container or a suitable alternate made from a compatible material. Keep all containers tightly closed when not in use. Empty containers retain product residue and should be disposed of properly. Do not reuse empty containers for other purposes or to hold other materials.
Storage:	Store in accordance with local regulations. Store in original containers, at 15°C - 35°C (59°F - 95°F). Protect from heat, flames, sparks, and other sources of ignition. Keep away from and food and drink. Keep all containers tightly closed when not in use and tightly re-seal after use. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure Controls / Personal Protection

Ingredient	Exposure limits
3-Penten-2-one, 4-Methyl-	ACGIH Threshold Limit Values (TLV): TWA 15 ppm, STEL 25 ppm Remarks: Central Nervous System Impairment Upper Respiratory Tract Irritation Eye Irritation NIOSH Recommended Exposure Limits: TWA 25 ppm 100 mg/m ³ Occupational Exposure Limits (OSHA): Table Z-1 - TWA: 25 ppm / 100 mg/m ³
2-Butanone	NIOSH Recommended Exposure Limits: TWA: 200 ppm / 590 mg/m ³ NIOSH Recommended Exposure Limits: ST: 300 ppm / 885 mg/m ³ OSHA: TWA: 200 ppm / 590 mg/m ³
Dimethyl benzene	ACGIH Threshold Limit Values (TLV): TWA 100 ppm, STEL 150 ppm Remarks: Central Nervous System Impairment Upper Respiratory Tract Irritation Eye Irritation NIOSH Recommended Exposure Limits: TWA 25 ppm 100 mg/m ³ Occupational Exposure Limits (OSHA): Table Z-1 - TWA: 100 ppm / 435 mg/m ³
Tetrahydrofuran	ACGIH Threshold Limit Values (TLV): TWA 50 ppm, STEL 100 ppm Remarks: Cochlear impairment, Kidney damage (nephropathy) Upper Respiratory Tract irritation NIOSH Recommended Exposure Limits: TWA 200 ppm / 590 mg/m ³ Occupational Exposure Limits (OSHA): Table Z-1 - TWA: 200 ppm / 590 mg/m ³
Ethyl Benzene	ACGIH Threshold Limit Values (TLV): TWA 20 ppm, STEL 125 ppm Remarks: Cochlear impairment, Kidney damage (nephropathy) Upper Respiratory Tract irritation NIOSH Recommended Exposure Limits: TWA 100 ppm / 435 mg/m ³ Occupational Exposure Limits (OSHA): Table Z-1 - TWA: 100 ppm / 435 mg/m ³

Recommended Monitoring: If this product contains ingredients with exposure limits, personal, workplace, atmospheric, or biological monitoring may be required to determine the effectiveness of the ventilation system or other control

Procedures:	measures and/or to determine whether it is necessary to use respiratory protective equipment. It will also be necessary to reviewed national guidance documents for determining how to handle and relevant Hazardous Substances
Engineering measures:	No special ventilation requirements are necessary for this product. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure below the recommended or statutory limits
Hygiene measures:	Wash hands, forearms, and face thoroughly after handling any chemical products, before eating, smoking, and using the lavatory and at the end of the work period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection

Respiratory:	In case of inadequate ventilation wear 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.
Hands:	Chemical Resistant, impervious gloves that comply with an approved safety standard should be worn always when handling chemical products if a risk assessment indicates that this is necessary. Consider the parameters specified by the glove manufacture and check gloves during use to ensure they are retaining their protective properties. Nitrile Rubber or similar gloves with a thickness of 0.11mm or a breakthrough time of 240 minutes or longer are generally suitable for limited/splash contact. Butyl Rubber or similar gloves with a thickness of 0.3mm or a breakthrough time of 48 minutes or longer may be more suitable for full contact.
Eyes:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, or dusts. If contact is possible, at a minimum use chemical splash goggles. If significant splash hazard may occur, consider using a full-face shield.
Skin:	Personal Protective equipment for the body should be selected based on the task being performed and the risks involved. Typical protective equipment includes non-absorbent lab coats, disposable protective sleeves, coats, or whole-body suits. See a safety specialist to determine the appropriate level of protection for your task, but in general for incidental and limited splash exposure consider 7mil or thicker latex gloves and natural rubber gloves. Supported PVA gloves may also be suitable.
Environmental Exposure Controls:	Emissions from ventilation or work processes should be checked to ensure they comply with the requirements of environmental regulations. In some cases, fume scrubbers, filters, or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and Chemical Properties

Appearance:	Clear to very light-yellow liquid	Odor:	Aromatic solvent
Boiling Point:	66°C (151 °F) (initial)	Freezing Point:	Not determined
Flash Point:	>-14°C (7°F) closed cup	pH:	Not determined
Auto-ignition Temperature:	Not determined	Flammable Limits:	Not determined
Vapor Pressure:	~80mm Hg at 20°C (68°F) (estimated)	Water Solubility:	Appreciable
Specific Gravity:	0.86	Vapor Density:	>1 (Air = 1)
Evaporation Rate:	>1 (butyl acetate =1)	VOC:	100% (estimated)
Viscosity:	~20 cps		

10. Stability and Reactivity

Chemical Stability:	This product is stable, under normal conditions of storage and use, hazardous reactions will not occur.
Hazardous Polymerization:	Hazardous polymerization will not occur.
Conditions to Avoid:	Avoid sources of ignition (sparks or flames). Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat. Avoid high temperatures and exposure to strong oxidizing agents, acids, and bases, reacts violently with: 2-aminoethanol, ethylene diamine, nitric acid.
Hazardous Decomposition	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

Acute Toxicity

Product/Ingredient Name	Test	Endpoint	Species	Result
2-Butanone	-	LC50 Inhalation Vapor	Rat	34.5 mg/l
	-	LD50 Dermal	Rabbit	>5,000 mg/kg
	-	LD50 Oral	Rat	2,740 mg/kg
3- Penten-2-one, 4-Methyl-	-	LC50 Inhalation Vapor	Rat, 4 hours	9,000 mg/m ³

	-	LD50 Dermal	Rabbit	5,150 mg/kg
	-	LD50 Oral	Rat	1,120 mg/kg
	-	LC50 Inhalation Dusts & mists	Rat, 4 hours	54 mg/m ³
Tetrahydrofuran	-	LD50 Dermal	Rabbit	> 2,000 mg/kg
	-	LD50 Oral	Rat	1,650 mg/kg

Irritation / Corrosion -

Product/Ingredient Name	Test	Species	Result
2-Butanone	-	Rabbit	Skin - Mild irritant
	-	Rabbit	Eyes - Irritant
3- Penten-2-one, 4-Methyl-	OECD 404 Acute Dermal Irritation/Corrosion	Rabbit	Skin – Irritating
	OECD 437 Bovine Corneal Opacity and Permeability	Rabbit	Eyes – Irritant
Tetrahydrofuran	OECD 404 Acute Dermal Irritation/Corrosion	Rabbit	Skin – mild irritant
		Rabbit	Eyes – risk of serious damage

Mutagenicity

Product/Ingredient Name	Test	Result
2-Butanone		No date available
Tetrahydrofuran	In vivo tests did not show mutagenic effects Ames test <i>S. typhimurium</i>	negative

Conclusion/ Summary: the weight of scientific evidence indicates that the components of this product are not genotoxic

Carcinogenicity

Xylene is classified by IARC as Group 3 (Not classifiable as to its carcinogenicity to humans), Ethyl Benzene is classified by IARC as Group 2B (Possibly carcinogenic to humans). No other 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. No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH, NTP or OSHA.

Reproductive Toxicity

Product/Ingredient Name	Test	Species	Maternal Toxicity	Fertility	Developmental Effects
Toluene (Level is below 0.5% in product, biproduct of Xylene)	OECD 416 Two Generation Reproduction Toxicity Study	Rat – Male, Female	Positive	Negative	Positive

Teratogenicity

Product/Ingredient Name	Test	Species	Results
	No data available		

Potential Acute Health Effects

Inhalation: Irritating to the respiratory system, may cause drowsiness or dizziness
 Ingestion: Harmful by ingestion.
 Skin Contact: May cause skin dryness and sensitization by skin contact.
 Eye Contact: May cause serious eye damage

Potential Chronic Health Effects

Product/Ingredient Name	Test	Endpoint	Species	Results
Ethyl Benzene			Humans	Central nervous system & stomach irregularities possible based on human evidence

General: Once sensitized, an allergic reaction may occur when subsequently exposed to very low levels
 Target Organs: Primarily Lungs, stomach, & central nervous system
 Carcinogenicity: Ethylbenzene has been classified as a potential human carcinogen based on animal data
 Mutagenicity: No known significant effects or critical hazards
 Teratogenicity: Suspected of damaging the unborn child.
 Developmental Effects: Evidence of effects on fetal development in animals
 Fertility Effects: Suspected of damaging the fertility.

12. Ecological Information

Environmental Effects: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Aquatic Ecotoxicity

Product/Ingredient Name	Test	Endpoint	Exposure	Species	Result
Tetrahydrofuran	OECD 202 Daphnia Sp. Acute Immobilization Test	Acute EC50	24 hours Static	Daphnia	382 mg/L

	OECD 203 Fish, Acute toxicity test	Acute LC50	96 hours Static	Fish	2,160 mg/L
2-Butanone	-	Acute EC50	48 hours	Daphnia	< 520 mg/l
	-	Acute LC50	96 hours	Fish	3,200 mg/l
	-	Acute LC50	96 hours	Fish	4,467 mg/l
	-	Acute LC50	96 hours	Fish	5,600 mg/l

Persistence and Degradability

Product/Ingredient Name	Test	Period	Result
2-Butanone	-	28 days	> 60%

Product/Ingredient Name	Aquatic half-life	Photolysis	Biodegradability
2-Butanone	-	-	Readily Biodegradable

Bioaccumulative potential

Product/Ingredient Name	Log P _{ow}	BCF	Potential
2-Butanone	0.29	1	low

Other adverse effects: No known significant effects or critical hazards

Other information: BOD5: Not Determined COD: Not Determined TOC: Not Determined

13. Disposal Consideration

Waste Disposal Method: Disposal of this products, solutions, and by-products should always comply with the requirements of environmental and waste disposal legislation and any regional or local authority requirements. Dispose of surplus, non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed on untreated to the sewer system unless this is complaint with all applicable laws and regulations. Incineration by an approved and licensed contractor is the most common disposal method. Packaging materials that and absorbents containing the product can typically be landfilled or incinerated. Contact local authorities to determine the proper means of disposal in your area.

14. Transport Information

DOT, 49CFR: Non-Bulk **UN/ID Number:** UN1993
Proper Shipping Name: Flammable Liquid, n.o.s. (Tetrahydrofuran, Methyl Ethyl Ketone)
Hazard Class: 3 **Label:** Flammable liquid **Packing Group:** PGII

IATA: Non-Bulk **UN/ID Number:** UN1993
Proper Shipping Name: Flammable Liquid, n.o.s. (Tetrahydrofuran, Methyl Ethyl Ketone)
Hazard Class: 3 **Label:** Flammable liquid **Packing Group:** PGII

15. REGULATORY INFORMATION

US Federal Regulations:

Occupational Safety and Health Act (OSHA): This product is a hazardous chemical under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Resource Conservation and Recovery Act (RCRA): This product is hazardous waste under RCRA (40 CFR 261).

SARA Title III: Section 304 - CERCLA: This product contains chemicals regulated under Section 304 as extremely hazardous substance(s) for emergency release notification ("CERCLA" List):

Ingredient	CAS #	Component RQ (lbs)	Calculated Product RQ (lbs)
Ethylbenzene	100-41-4	1000	>10000
Butanone	78-93-3	5000	>10000
Tetrahydrofuran	109-99-9	1000	>4000
Dimethyl benzene	1330-20-7	100	>400

SARA Title III: Section 311/312 - Hazard Communication Standard (HCS): Fire Hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard

SARA Title III: Section 313 Toxic Chemical List (TCL): This product does contain the following toxic chemicals for routine annual Toxic Chemical Release Reporting under section 313 (40 CFR 372).

Dimethyl benzene 1330-20-7 (10-30%)
Ethylbenzene 100-41-4 (1-10%)

TSCA Section 8(b) - Inventory Status: All chemical(s) comprising this product are listed on the TSCA inventory.

TSCA Section 12(b) - Export Notification: This product does not contain chemicals which are subject to Section 12(b) export notification.

State Regulations:

California Proposition 65: This product contains the following chemicals currently on the California list of Known Carcinogens and Reproductive Toxins:

Ingredient	Cancer	Reproductive
Ethylbenzene	Yes	No
Toluene	No	Yes

International Regulations:

REACH Status (EC 1907/2006): This material has been registered, pre-registered, or is otherwise exempt from registration under REACH.

REACH Annex XIV (SVHC): 4-Nonylphenol, branched, ethoxylated, CAS 127087-87-0 (~0.31%) is listed

Reach Annex XVII (Restrictions on the manufacture, placing on the market & use of certain dangerous substances, mixtures, and articles): 4-Nonylphenol, branched, ethoxylated, CAS 127087-87-0 (~0.31%) is listed

WHMIS: Class B-2: Flammable Liquids: Flashpoint of <37.8°C (100°F)
Class D-2B: Material causing other toxic effects

International Lists:

Australia Inventory (AICS):	all components are listed or exempt	Malaysia Inventory (EHS register):	not determined
Canadian Inventory (CEPA-DSL):	all components are listed or exempt	New Zealand Inv. of Chem. (NZIoC):	all components are listed or exempt
China Inventory (IECSC):	all components are listed or exempt	Philippines Inventory (PICCS):	Not determined
Japan Inventory (ENCS):	all components are listed or exempt	Taiwan Inventory (CSNN):	not determined
Korea Inventory (ECL):	all components are listed or exempt		

16. OTHER INFORMATION

Hazardous Material Information System (HMIS) - USA		National Fire Protection Association (USA):
Health	3	
Flammability	3	
Physical Hazards	0	
Personal Protection	D*	

*suggested minimum personal protection equipment. End user must determine appropriateness of these suggestions for their applications and usage conditions.

MSDS No: UltraStripA-20170822 **Reason Issued:** update
Prepared By: Chris Meyer **Approved By:** Chris Meyer Title: Vice President

NOTICE TO READER: While the information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF PRODUCTS FOR THE USER'S PARTICULAR PURPOSE(S).

THIS PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.