

SAFETY DATA SHEET

U V Smooth Prime

1 – IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING

PRODUCT NAME: **U V Smooth Prime**
PRODUCT NUMBER: 16-SPU
SUPPLIER: Poly-Fiber, Inc.
P.O. Box 3129, Riverside, CA 92519, USA
4343 Fort Drive, Riverside, CA 92509, USA
(951) 684-4280
(951) 809-7144
(760) 782-1947
EMERGENCY TELEPHONE: (800) 424-9300 (Chemtrec- US)
(703) 527-3887 (International – Call Collect)

2 - HAZARDS IDENTIFICATION

GHS Hazard Category

Flammable liquid- Category 2
Eye Irritation - Category 2A
Skin Irritation- Category 2
Respiratory Irritation- Category 3
Specific target organ toxicity (single exposure) – Category 3, Central Nervous System H336

Label Elements

Pictograms



Signal Word

Warning

Hazard Statements

Highly flammable. Irritating to eyes and skin
May cause drowsiness or dizziness
Harmful: danger of serious damage to health by prolonged exposure through inhalation
Possible risk of harm to the unborn child
Harmful: may cause lung damage if swallowed

Precautionary Statements

Prevention

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Store in a well-ventilated place. Keep container tightly closed. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe mist/vapors/spray. Use only outdoors or in a well-ventilated area.
Vapors may cause drowsiness and dizziness.

Response

INHALATION:

Move the victim to a fresh air place immediately. Get medical attention if discomforts persist.

INGESTION:

Rinse mouth with clean water immediately. DO NOT induce vomiting. Get medical attention immediately. If vomiting occurs, keep the victim's head low so that vomits from the stomach will not enter the lungs.

SKIN CONTACT:

Remove contaminated clothing and flush the affected skin areas with clean water for at least 15 minutes. Get medical attention if discomforts persist.

EYES CONTACT:

Make sure all contact lenses are removed before flushing the eyes with eye lids open with clean water for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Storage

Store in a well-ventilated Place. Keep container tightly closed. Keep cool. Store in a locked cabinet, cage or room.

Disposal

Dispose of contents and container in accordance with all local, regional, national and international regulations.

Flammable liquid and vapor. Causes eye, skin, and respiratory tract irritation. Aspiration hazard if swallowed. Can enter lungs and cause damage. May be harmful if absorbed through skin or if inhaled. May cause central nervous system depression.

Target Organs:

Central nervous system, respiratory system, eyes, skin.

CLASSIFICATION (1999/45) Repr. Cat 2, R61, XI, R36/37/38

3 – COMPOSITION /INFORMATION ON INGREDIENTS

Name	EC No.	CAS No.	Content %	Classification (67/548/EEC)
N-Methyl-2-Pyrrolidone	212-828-1	872-50-4	5-30%	T, R36/37, R61, S26, S37/39, S45, S53
Triethylamine	204-469-4	121-44-8	0-10%	F, C, R11, R20/21/22, R35, S16, S26, S29, S3, S36/37/39, S45
Glycol Ether DB	203-961-6	112-34-5	0-10%	XI, R36, S24, S26

The Full Text for all R-Phrases and S-Phrases is displayed in Section 15

COMPOSITION COMMENTS

The data shown are in accordance with the latest EC Directives.

4- FIRST AID MEASURES**NOTICE:**

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Low hazard for usual industrial handling by trained personnel.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Although this is a water system, some people may be sensitive to some ingredients. These people may experience skin irritation, defatting and/or dermatitis. Eye contact with this product should be avoided. This may cause irritation and the eyes should be flushed with water for at least 15 minutes.

INGESTION HEALTH RISK AND SYMPTOMS OF EXPOSURE:

Preexisting eye, skin, heart, central nervous system and respiratory disorders may be aggravated by exposure to this product.

HEALTH HAZARDS (ACUTE AND CHRONIC):

Being a water-reducible system, health hazards are minimized. However, care must be exercised in its use. Breathing the vapors may irritate the nose and throat. Detectable amounts of chemicals or substances known to the state of California to cause cancer, birth defects, or other reproductive harm may be found in this product. Use care when handling chemical and petroleum products even though they are water reducible.

CARCINOGENICITY: NTP CARCINOGEN: N/A IARC MONOGRAPHS: N/A OSHA REGULATED: N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE TO THIS PRODUCT:

Preexisting eye, skin, heart, central nervous system and respiratory disorders may be aggravated by exposure to this product.

EMERGENCY AND FIRST AID PROCEDURES: Remove victim to fresh air and restore breathing if required. Call a physician if required. If breathing stops, give artificial respiration. Keep person warm. Never give anything by mouth to an unconscious person. Do not induce vomiting. If spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into the lungs.

5- FIRE FIGHTING PROCEDURES**EXTINGUISHING MEDIA:**CO₂, Dry Chemical, Water Fog**SPECIAL FIREFIGHTING PROCEDURES:**

Do not enter a confined area without full bunker gear including a positive-pressure NIOSH-approved self-contained breathing apparatus. Decomposition products may form toxic materials. Non-Flammable.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None known

6-ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS:**

Wear protective clothing as described in Section 8.

ENVIRONMENTAL PRECAUTIONS:

Spillages or uncontrolled discharges into watercourses must immediately be alerted to Environmental Agency or other appropriate regulatory authority.

SPILL CLEANUP METHODS:

Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, open flames, and smoking. Ventilate. Absorb in vermiculite, dry sand, or earth and place into containers for disposal.

7-HANDLING AND STORAGE**USAGE PRECAUTIONS:**

Keep away from heat, sparks and open flames. Avoid spilling, skin and eyes contact. Use with adequate ventilation and avoid excessive exposure to solvent vapors. Use approved respirator if air contamination exceeds the accepted level.

STORAGE PRECAUTIONS:

Keep away from oxidizers, open flames and other ignition sources. Keep unused contents in original container and tightly closed lids. Store in a cool, dry and well-ventilated place and at an ambient Temperature not to exceeding above 120° F.

STORAGE CLASS:**8-EXPOSURE CONTROL/PERSONAL PROTECTION**

Name	Workplace Exposure Limits	Remarks
N-Methyl-2-Pyrrolidone	ACGIH: Not listed NIOSH: Not listed OSHA-Final PELs: Not listed	Consult local authorities for acceptable exposure limits
Triethylamine	ACGIH: 1 ppm TWA; 3 ppm STEL; Skin - potential significant contribution to overall exposure by the cutaneous route NIOSH: 200 ppm IDLH OSHA-Final PELs: 25 ppm TWA; 100 mg/m ³ TWA	Same As Above
Glycol Ether DB	ACGIH: Not listed NIOSH: Not listed OSHA-Final PELs: Not listed	Same As Above

**PROTECTIVE EQUIPMENTS:****PROCESS CONDITIONS:****ENGINEERING MEASURES:****RESPIRATORY EQUIPMENT:****HANDPROTECTION:****EYE PROTECTION:****OTHER PROTECTION:****HYGIENE MEASURES:**

Provide eyewash station.

Provide adequate ventilation. Fully equipped spray booth is recommended to ensure the workers legal exposure limits are not exceeded.

Wear respirator with appropriate cartridge for organic solvents and chemicals.

Wear approved gloves such as Neoprene, Nitrile or Rubber types.

Wear splash-proof goggles.

Wear appropriate clothing to prevent any possible skin contact.

DO NOT SMOKE IN THE WORK AREA. Wash at the end of each work shift and before eating, drinking or smoking. Promptly remove contaminated clothing.

9- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid
COLOR:	White
ODOR:	No significant
BOILING POINT:	336-343° F
RELATIVE DENSITY:	1.33 g/mL
VAPOR DENSITY:	Heavier than air
FLASH POINT:	196 ° F/91° C
FLAMMABILITY LIMITS:	LOWER: NA UPPER: NA
SOLUBILITY VALUE (g/100g H ₂ O @ 20°C):	Soluble
VOLATILE ORGANIC COMPOUND (VOC):	86.29 g/L

10- STABILITY AND REACTIVITY

STABILITY:
Stable
CONDITIONS TO AVOID:
Heat will coagulate product.
INCOMPATIBILITY (MATERIALS TO AVOID):
Material very stable but may react with strong acids while in liquid form.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
N/A
HAZARDOUS POLYMERIZATION:
N/A

11-TOXICOLOGICAL INFORMATION**N-Methyl-2- Pyrrolidone (CAS#872-50-4): RTECS#: UY5790000****LD50/LC50:**

CAS# 872-50-4:

Draize test, rabbit, eye: 100 mg Moderate;
Oral, mouse: LD50 = 5130 mg/kg;
Oral, rat: LD50 = 3914 mg/kg;
Skin, rabbit: LD50 = 8 gm/kg;

Sensitization test (guinea pig): negative; Patch test (humans): negative.(Merck)

Carcinogenicity:

CAS# 872-50-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No data available.**Teratogenicity:** Proposition 65 maximum allowable dose level for developmental toxicity for N-methylpyrrolidone is 3200 ug/day for the inhalation route and 17,000 ug/day for the dermal route.**Reproductive Effects:** See actual entry in RTECS for complete information.**Mutagenicity:** See actual entry in RTECS for complete information.**Neurotoxicity:** No data available.**Triethylamine (CAS#121-44-8): RTECS#: YE0175000****LD50/LC50:**

CAS# 121-44-8:

Inhalation, mouse: LC50 = 6 gm/m3;
Oral, mouse: LD50 = 546 mg/kg;
Oral, rat: LD50 = 460 mg/kg;
Skin, rabbit: LD50 = 570 uL/kg;

Carcinogenicity:

CAS# 121-44-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: Ocular injuries consisting of corneal opacities with clouding and swelling have been reported in workers exposed to TEN. Exposure to TEN at 5 ppm for 8 hours can induce transient corneal edema which resolves within hours after termination of exposure.**Teratogenicity:** Fetotoxicity occurred at triethylamine doses less than those associated with maternal intoxication when injected into pregnant rabbits. No studies concerning the potential developmental toxicity of TEN by relevant routes of exposure have been found.**Reproductive Effects:** No effects on reproductive parameters could be detected when rats consumed up to 500 ppm TEN in drinking water for 3 generations.**Mutagenicity:** See actual entry in RTECS for complete information.**Neurotoxicity:** No information found**Glycol Ether DB (CAS#112-34-5): RTECS#: KJ9100000**

LD50/LC50:

Draize test, rabbit, eye: 20 mg Severe; Draize test, rabbit, eye: 20 mg/24H Moderate; Oral, mouse: LD50 = 2400 mg/kg; Oral, mouse: LD50 = 6050 mg/kg; Oral, rabbit: LD50 = 2200 mg/kg; Oral, rat: LD50 = 5660 mg/kg; Oral, rat: LD50 = 4500 mg/kg; Skin, rabbit: LD50 = 2700 mg/kg; Oral, rat: LD50 = 1746-10502 mg/kg, Oral, rat: LD50 = 1746-15918 mg/kg

Carcinogenicity: CAS# 112-34-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No information found

Teratogenicity: No information found

Reproductive Effects: No information found

Mutagenicity: No information found. **Neurotoxicity:** No information found

12- ECOLOGICAL INFORMATION

N-Methyl-2- Pyrrolidone (CAS#872-50-4): Ecotoxicity: Daphnia: Daphnia: 4897 mg/l; 48 h; EC50Fish: Gold orfe: 4000 mg/l; 96 h; LC50Bacteria: >9000 mg/l; 48 h; EC50Algae: >500 mg/l; 72 h; IC50 log Pow = -0.46 (25°C)BOD5 = 1100 mg/l.COD = 1600 mg/l.

Environmental: No information available. Physical: No information available. Other: Biodegradable.

Triethylamine (CAS#121-44-8): No information available.

Glycol Ether DB (CAS#112-34-5): Ecotoxicity: Fish: Bluegill/Sunfish: LC50 = 1300 mg/L; 96 Hr.; Static conditions, 23 degrees CFish: Goldfish: LC50 = 2700 mg/L; 24 Hr.; UnspecifiedWater flea Daphnia: LC50 = 2850 mg/L; 24 Hr.; Unspecified Goldfish, LC50=2700mg/24hr.; Atlantic silverside, TL50=2000ppm/96hr.

Environmental: In soil and water, this chemical is highly mobile and undergoes aerobic biodegradation.

Physical: According to a model of gas/particle partitioning of semivolatile organic compounds in the atmosphere, diethylene glycol mono-n-butyl ether, which has a measured vapor pressure of 0.06 mm Hg at 25 deg C, will exist solely as a vapor in the ambient atmosphere. Vapor-phase diethylene glycol mono-n-butyl ether is degraded in the atmosphere by reaction with photochemically-produced hydroxyl radicals; the half-life for this reaction in air is estimated to be about 10 hours. Alcohols and ethers do not absorb UV light in the environment.

Other: Diethylene glycol mono-n-butyl ether is not expected to volatilize from water surfaces based on an estimated Henry's Law constant of 1.3×10^{-8} atm-cu m/mole, calculated from experimental values for vapor pressure and water solubility. According to a classification scheme, an estimated BCF value of 2, from a measured log Kow, suggests that bioconcentration in aquatic organisms is low.

13 – DISPOSAL CONSIDERATIONS

Hazardous wastes should be sent to a RCRA approved incinerator or disposed of in a RCRA approved waste facility. Dispose of container and unused contents in accordance with federal, state and local requirements.

I certify that all chemicals in this shipment comply with all applicable rules or orders under TSCA and that I am not offering a chemical substance for entry in violation of TSCA or any applicable rule or order under TSCA.

14 – TRANSPORT INFORMATION**DOT / ADR / RID Classification:**

DOT PROPER SHIPPING NAME:	N/A
PRIMARY HAZARD CLASS/DIVISION:	N/A
UN/UA NUMBER:	N/A
PACKING GROUP:	N/A

IMDG and ADN Classification:

IMDG PROPER SHIPPING NAME:	N/A
IMDG UN CLASS:	N/A
IMDG UN NUMBER:	N/A
IMDG PACKING GROUP:	N/A
IMDG LABEL:	N/A
IMDG VESSEL STOWAGE:	N/A

IATA: UNREGULATED

GHS LABEL:



WARNING

VAPOR HARMFUL. CAUSES SERIOUS EYE IRRITATION. CAUSES SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL OR FATAL IF SWALLOWED AND ENTERS AIRWAYS.

Refer to MSDS for additional information on safe handling / use. - Keep out of reach of children. For Industrial Use Only.

Contains: N-Methyl-2-Pyrrolidone, Triethylamine, and Glycol Ether DB. This product contains one or more chemicals known to the State of California to cause cancer, birth defects, and/or other reproductive harm.

Hazards: H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation. H360: May damage fertility or the unborn child.

Precautionary Statement(s): 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. P403+P233: Store in a well-ventilated place. Keep container tightly closed. P280: Wear protective gloves/protective clothing/eye protection/face protection. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P271: Use only outdoors or in a well-ventilated area. P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. P302 + P352 + P362-2 + P363 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. P332 + P313 - If skin irritation occurs: Get medical attention. 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 attention.

First Aid: **Inhalation** - Move person to fresh air. If symptoms occur obtain medical attention. **Skin Contact** - Wash affected skin with soap and water. If symptoms occur obtain medical attention. **Eye Contact** - If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. If symptoms occur obtain medical attention. **Ingestion** - Do not induce vomiting. Drink one glass of water. If symptoms occur obtain medical attention.

15 – REGULATORY INFORMATION

Hazards: H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation. H360: May damage fertility or the unborn child.

Precautionary Statement(s): 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. P403+P233: Store in a well-ventilated place. Keep container tightly closed. P280: Wear protective gloves/protective clothing/eye protection/face protection. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P271: Use only outdoors or in a well-ventilated area. P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. P302 + P352 + P362-2 + P363 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. P332 + P313 - If skin irritation occurs: Get medical attention. 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 attention.

CODES:



XI



C



T



F

- XI =harmful
- C=corrosive
- T=toxic
- F= highly flammable

R-Phrases:

R11: Highly flammable

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed

R35: Causes severe burns

R36: Irritating to eyes

R36/37/38: Irritating to eyes, respiratory system and skin

R36/38: Irritating to eyes and skin

R61: May cause harm to the unborn child

S-Phrases:

S3: Keep in a cool place

S16: Keep away from sources of ignition - No smoking

S24: Avoid contact with skin

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S29: Do not empty into drains

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection

S37/39: Wear suitable gloves and eye/face protection

S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

S53: Avoid exposure - obtain special instructions before use

16- DISCLAIMER

Above information is based on data supplied to us and is believed to be correct. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since the data made available subsequent to the date hereof may suggest modifications of the information, we do not assume responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose. It is the user's obligation to determine the safe use of it.