SIPLAST, INC.

Safety Data Sheet
Terapro PUR Activator

SECTION 1: Identification

1.1 GHS Product identifier

Product name	Terapro PUR Activator

1.2 Other means of identification

Stripping Agent, Bond Enhancer

1.4 Supplier's details

Name	Siplast, Inc.
Address	14911 Quorum Dr. Suite 600 Dallas TX 75254
Telephone	800-922-8800

1.5 Emergency phone number

800-424-9300 (CHEMTREC)

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Skin corrosion/irritation, Cat. 2
- Eye damage/irritation, Cat. 2A
- Toxic to reproduction, Cat. 1B
- Specific target organ toxicity (single exposure), Cat. 3
- Flammable liquids, Cat. 3

2.2 GHS label elements, including precautionary statements

Pictograms

Hazard statement(s)

H315	Causes skin irritation
H320	Causes eye irritation
H303	May be harmful if swallowed.

H360	May damage fertility or the unborn child
H336	May cause drowsiness or dizziness
H226	Flammable liquid and vapor

Precautionary statement(s)

P203	Obtain, read and follow all safety instructions before use.
P280	Wear protective gloves/eye protection/face protection/protective clothing.
P264	Wash face, hands and any exposed skin thoroughly after handling.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P235	Keep cool.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P303	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P363	Wash contaminated clothing before reuse.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P370+P378	In case of fire: Use CO2, dry chemical, or foam for extinction.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to an approved waste disposal plant

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	Wt.%	CAS
Propylene glycol methyl ether	50 - 90	107-98-2
N-Methyl pyrrolidone	5 - 30	872-50-4

Trade secret statement (OSHA 1910.1200(i))
If a "Trade Secret" "(TS)" is claimed in accordance to paragraph (i) of 1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled	Remove victim to fresh air and provide oxygen and/or administer artificial respiration if breathing is difficult. Seek medical attention if cough or other symptoms develop

In case of skin contact	Remove contaminated clothing and immediately wash affected skin area with plenty of water. Seek medical attention. Either discard or wash contaminated clothing and shoes before reuse.
In case of eye contact	Immediately flush with plenty of water for 15 minutes. After initial flushing, remove any contact lenses (if any) and continue flushing for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Have eyes examined and tested by medical personnel.
If swallowed	Make sure the victim is conscious and alert. If so, give 2-3 glasses of water to dilute. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Immediate medical attention is required. Do not leave victim unattended as spontaneous vomiting may occur. Lay victim on side with head lower than waist to prevent aspiration of swallowed product. If victim is conscious and vomiting occurs, give water to further dilute the chemical.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
Dry chemical, CO2, water spray or regular foam. Water spray, fog or regular foam. Use water spray or fog; do not use straight streams.

5.2 Specific hazards arising from the chemical
Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks).

5.3 Special protective actions for fire-fighters
Move containers from fire area if you can do it without risk.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
ELIMINATE all ignition sources (no smoking, flares, sparks or flames in the immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop the leak if you can do it without risk.

6.2 Environmental precautions
Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and materials for containment and cleaning up
A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flames and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.

7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Store and warehouse products in an appropriate area or facility. Segregate like materials together to avoid negative chemical reactions . Protect materials from excessive exposure to heat. Observe proper storage conditions and temperatures. If bulging of containers occurs, transfer to a well-ventilated area and open carefully to relieve pressure then reseal.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
	EXPOSURE LIMITS			
Chemical Name	Type		ppm	mg/m³
Propylene Glycol Methyl Ether (CAS 107-98-2)	ACGIH TLV	TWA	50	
		STEL	100	
	NIOSH IDLH	TWA	100	360
		STEL	150	540
NIOSH IDLH Immediately Dangerous to Life or Health				

8.2 Appropriate engineering controls

Proper industrial hygiene practices are required for workers and should be achieved though engineering controls including ventilation with a high turnover rate whenever feasible. When such controls are not available or not feasible to achieve full protection, respirators for workers (and others in the area) and other personal protective equipment is mandated. Exhaust air may need to be scrubbed (cleaned) or filtered to reduce environmental contamination and odors.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection
Wear tight sealing safety goggles or safety glasses with side shields when handling and mixing this material.

Skin protection
Wear impervious compatible chemical resistant protective clothing such as neoprene or butyl rubber gloves, aprons, boots or Tyvek coveralls, as appropriate to prevent contact with skin.

Respiratory protection
For respirator selection and training, seek professional advice. Whenever workplace conditions require the use of a respirator, follow a respiratory protection program that meets OSHA 1910. 134 and ANSI Z88 .2 requirements. Wear an OSHA/NIOSH/MSHA approved respirator selected on its suitability to provide adequate worker protection for the chemicals used and given working conditions including the level of airborne contamination and presence of sufficient oxygen.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	Clear liquid
Color	Clear
Odor	Slight odor
Odor threshold	No data available
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	No data available
Flammability	No data available
Lower and upper explosion limit/flammability limit	No data available
Flash point	34°C (93° F) Seta CC
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Kinematic viscosity	No data available
Solubility	Soluble in water
Vapor pressure	No data available
Density and/or relative density	0.938 g/cm3 at 25 °C

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
None under normal processing.

10.4 Conditions to avoid
Heat, flames and sparks.

10.5 Incompatible materials
None known based on information supplied.

10.6 Hazardous decomposition products
None known based on information supplied.

SECTION 11: Toxicological information

Information on toxicological effects

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Propylene glycol monomethyl ether 107-98-2	= 5000 mg/kg (Rat)	= 13 g/kg (Rabbit)	> 7559 ppm (Rat) 6 h
1-Methyl-2-pyrrolidone 872-50-4	= 3914 mg/kg (Rat)	= 8 g/kg (Rabbit)	> 5.1 mg/L (Rat) 4 h

Acute toxicity
The following values are calculated based on chapter 3.1 of the GHS document. ATEmix (oral) 4,800.00 mg/kg

ATEmix (dermal) 11,886.00 mg/kg
ATEmix (inhalation-dust/mist) ATEmix (inhalation-vapor) 34.03 mg/l
Ecotoxicity 10,902.48 mg/l

Skin corrosion/irritation
Irritating to skin. May cause skin irritation.

Serious eye damage/irritation
Irritating to eyes. May cause redness and tearing of the eyes.

Respiratory or skin sensitization
Vapors may cause drowsiness and dizziness.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Product is or contains a chemical which is a known or suspected reproductive hazard.

Specific target organ toxicity (STOT) - single exposure
Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

Toxicity
0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Propylene glycol monomethyl ether 107-98-2	-	20.8: 96 h Pimephales promelas g/L LC50 static 4600 - 10000: 96 h Leuciscus idus mg/L LC50 static	23300: 48 h Daphnia magna mg/L EC50
1-Methyl-2-pyrrolidone 872-50-4	500: 72 h Desmodesmus subspicatus mg/L EC50	832: 96 h Lepomis macrochirus mg/L LC50 static 1072: 96 h Pimephales promelas mg/L LC50 static 1400: 96 h Poecilia reticulata mg/L LC50 static 4000: 96 h Leuciscus idus mg/L LC50 static	4897: 48 h Daphnia magna mg/L EC50

Chemical Name	Partition coefficient
Propylene glycol monomethyl ether 107-98-2	-0.437
1-Methyl-2-pyrrolidone 872-50-4	-0.46

SECTION 13: Disposal considerations

Disposal methods

Product disposal
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Packaging disposal
Do not reuse container.

Other disposal recommendations
US EPA Waste Number: D001

SECTION 14: Transport information

DOT (US)
PROPER SHIPPING NAME: Adhesives
PRIMARY HAZARD CLASS/DIVISION: 3 UN/ID NUMBER: UN1133
PACKING GROUP: III
SPECIAL PROVISIONS: B1, B52, IB3, T2, TP1

IMDG
PROPER SHIPPING NAME: Adhesives
PRIMARY HAZARD CLASS/DIVISION: 3 UN/ID NUMBER: UN1133
PACKING GROUP: III EmS-No: F-E, S-D
SPECIAL PROVISIONS: 223, 955

IATA
PROPER SHIPPING NAME: Adhesives
PRIMARY HAZARD CLASS/DIVISION: 3
UN/ID NUMBER: UN1133 PACKING GROUP: III
ERG CODE: 3L
SPECIAL PROVISIONS: A3

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
1-Methyl-2-pyrrolidone - 872-50-4	1.0

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

California Proposition 65
This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
1-Methyl-2-pyrrolidone - 872-50-4	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Propylene glycol monomethyl ether 107-98-2	X	X	X
1-Methyl-2-pyrrolidone 872-50-4	X	X	X

U.S. EPA Label Information
EPA Pesticide Registration Number: Not applicable

HMIS Rating

Terapro PUR Activator	
HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

NFPA Rating

SECTION 16: Other information

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty, or guarantee, expressed or implied, is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license of valid patents.