

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 05/09/2019

Reviewed on 05/09/2019

**1 Identification**

- **Product Identifier**
- **Trade Name:** TPU-122 Nomar Urethane
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description:** Sealer
- **Application of the substance / the mixture:** Industry Specific Application
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**  
Marine Industrial Paint Co. Inc.  
4590 60th Ave N.  
St. Petersburg Fl, 33714  
727-527-3382 / 1800-459-3382
- **Emergency telephone number:** 727-527-3382 / 1800-459-3382

**2 Hazard(s) Identification**

- **Classification of the substance or mixture:**



Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.



Health hazard

STOT RE 2 H373 May cause damage to the hearing organs through prolonged or repeated exposure.



Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Eye Irrit. 2B H320 Causes eye irritation.

- **Label elements:**
- **Hazard pictograms:**



- **Signal word:** Warning
- **Hazard-determining components of labeling:**  
n-butyl acetate  
Ethylbenzene  
Methyl ethyl ketone
- **Hazard statements:**  
H226 Flammable liquid and vapor.  
H315+H320 Causes skin and eye irritation.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to the hearing organs through prolonged or repeated exposure.

(Contd. on page 2)

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 05/09/2019

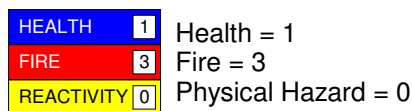
Reviewed on 05/09/2019

**Trade Name: TPU-122 Nomar Urethane****Precautionary statements:**

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- 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.
- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves / eye protection / face protection.
- P302+P352 If on skin: Wash with plenty of water.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a poison center/doctor if you feel unwell.
- P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
- P314 Get medical advice/attention if you feel unwell.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P370+P378 In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Unknown acute toxicity:**

This value refers to knowledge of known, established toxicological or ecotoxicological values.

**Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme**NFPA ratings (scale 0 - 4)****HMIS-ratings (scale 0 - 4)****Hazard(s) not otherwise classified (HNOC):** None known**3 Composition/Information on Ingredients****Chemical characterization: Mixtures****Description:** Mixture of substances listed below with non-hazardous additions.**Dangerous Components:**

CAS: 108-65-6	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226	15-35%
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(Contd. on page 3)

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 05/09/2019

Reviewed on 05/09/2019

**Trade Name: TPU-122 Nomar Urethane**

CAS: 123-86-4 RTECS: AF 7350000	n-butyl acetate ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	2-12%
CAS: 78-93-3 RTECS: EL 6475000	Methyl ethyl ketone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	2-12%
CAS: 1330-20-7 RTECS: ZE 2100000	Xylene, mixture of isomers ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	2-12%
CAS: 110-43-0	heptan-2-one ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332	2-12%
CAS: 100-41-4 RTECS: DA 0700000	Ethylbenzene ⚠ Flam. Liq. 2, H225; ⚠ Carc. 2, H351; STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H332	2-12%

- **Additional information:**

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

#### 4 First-Aid Measures

- **Description of first aid measures**

- **General information:**

Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.

- **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in the side position for transportation.

- **After skin contact:**

Immediately wash skin with soap and plenty of water for at least 15 minutes.

Remove contaminated clothing and wash before reuse.

Get medical attention if symptoms occur.

- **After eye contact:**

If easy to do so, remove contact lenses if worn.

If eye irritation occurs, consult a doctor.

Rinse opened eye for several minutes under running water.

- **After swallowing:**

Rinse out mouth and then drink plenty of water.

If swallowed and symptoms occur, consult a doctor.

- **Information for doctor**

- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

#### 5 Fire-Fighting Measures

- **Extinguishing media**

- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

- **For safety reasons unsuitable extinguishing agents:** Water with full jet

- **Special hazards arising from the substance or mixture:** No further relevant information available.

- **Advice for firefighters**

- **Special protective equipment for firefighters:**

Mouth respiratory protective device.

(Contd. on page 4)

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 05/09/2019

Reviewed on 05/09/2019

**Trade Name: TPU-122 Nomar Urethane**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

**6 Accidental Release Measures**

- **Personal precautions, protective equipment and emergency procedures:**

Do not breathe vapor.

Keep away from ignition sources.

Keep away from combustible materials.

Wear protective equipment. Keep unprotected persons away.

- **Environmental precautions:** Do not allow to enter sewers/surface or ground water.

- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

Dispose of the collected material according to regulations.

- **Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

- **Protective Action Criteria for Chemicals**

- **PAC-1:**

108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
123-86-4	n-butyl acetate	5 ppm
78-93-3	Methyl ethyl ketone	200 ppm
1330-20-7	Xylene, mixture of isomers	130 ppm
110-43-0	heptan-2-one	150 ppm
100-41-4	Ethylbenzene	33 ppm

- **PAC-2:**

108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
123-86-4	n-butyl acetate	200 ppm
78-93-3	Methyl ethyl ketone	2700* ppm
1330-20-7	Xylene, mixture of isomers	920* ppm
110-43-0	heptan-2-one	670 ppm
100-41-4	Ethylbenzene	1100* ppm

- **PAC-3:**

108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
123-86-4	n-butyl acetate	3000* ppm
78-93-3	Methyl ethyl ketone	4000* ppm
1330-20-7	Xylene, mixture of isomers	2500* ppm
110-43-0	heptan-2-one	4000* ppm
100-41-4	Ethylbenzene	1800* ppm

**7 Handling and Storage**

- **Handling**

- **Precautions for safe handling:**

Do not take internally.

(Contd. on page 5)

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 05/09/2019

Reviewed on 05/09/2019

### Trade Name: TPU-122 Nomar Urethane

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

· **Conditions for safe storage, including any incompatibilities**

· **Storage**

· **Requirements to be met by storerooms and receptacles:** Store in a cool location.

· **Information about storage in one common storage facility:** Store away from flammable substances.

· **Further information about storage conditions:**

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

· **Specific end use(s):** No further relevant information available.

### 8 Exposure Controls/Personal Protection

· **Additional information about design of technical systems:** No further data; see section 7.

· **Control parameters:**

· **Components with occupational exposure limits:**

**108-65-6 2-methoxy-1-methylethyl acetate**

WEEL Long-term value: 50 ppm

**123-86-4 n-butyl acetate**

PEL Long-term value: 710 mg/m<sup>3</sup>, 150 ppm

REL Short-term value: 950 mg/m<sup>3</sup>, 200 ppm

Long-term value: 710 mg/m<sup>3</sup>, 150 ppm

TLV Short-term value: 712 mg/m<sup>3</sup>, 150 ppm

Long-term value: 238 mg/m<sup>3</sup>, 50 ppm

**78-93-3 Methyl ethyl ketone**

PEL Long-term value: 590 mg/m<sup>3</sup>, 200 ppm

REL Short-term value: 885 mg/m<sup>3</sup>, 300 ppm

Long-term value: 590 mg/m<sup>3</sup>, 200 ppm

TLV Short-term value: 885 mg/m<sup>3</sup>, 300 ppm

Long-term value: 590 mg/m<sup>3</sup>, 200 ppm

BEI

**1330-20-7 Xylene, mixture of isomers**

PEL Long-term value: 435 mg/m<sup>3</sup>, 100 ppm

REL Short-term value: 655 mg/m<sup>3</sup>, 150 ppm

Long-term value: 435 mg/m<sup>3</sup>, 100 ppm

TLV Short-term value: 651 mg/m<sup>3</sup>, 150 ppm

Long-term value: 434 mg/m<sup>3</sup>, 100 ppm

BEI

**110-43-0 heptan-2-one**

PEL Long-term value: 465 mg/m<sup>3</sup>, 100 ppm

REL Long-term value: 465 mg/m<sup>3</sup>, 100 ppm

TLV Long-term value: 233 mg/m<sup>3</sup>, 50 ppm

(Contd. on page 6)

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 05/09/2019

Reviewed on 05/09/2019

### Trade Name: TPU-122 Nomar Urethane

<b>100-41-4 Ethylbenzene</b>	
PEL	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 545 mg/m <sup>3</sup> , 125 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Long-term value: 87 mg/m <sup>3</sup> , 20 ppm BEI
· <b>Ingredients with biological limit values:</b>	
<b>78-93-3 Methyl ethyl ketone</b>	
BEI	2 mg/L urine end of shift MEK
<b>1330-20-7 Xylene, mixture of isomers</b>	
BEI	1.5 g/g creatinine urine end of shift Methylhippuric acids
<b>100-41-4 Ethylbenzene</b>	
BEI	0.7 g/g creatinine urine end of shift at end of workweek Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)  - end-exhaled air not critical Ethyl benzene (semi-quantitative)

· **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls:**

· **Personal protective equipment**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

· **Breathing equipment:** Not required.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Select glove material based on penetration times, rates of diffusion and degradation.

· **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 7)

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 05/09/2019

Reviewed on 05/09/2019

**Trade Name: TPU-122 Nomar Urethane**· **Penetration time of glove material:**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

· **Eye protection:**

Safety glasses

· **Limitation and supervision of exposure into the environment:** None**9 Physical and Chemical Properties**· **Information on basic physical and chemical properties**· **General Information**· **Appearance:****Form:**

Liquid

**Color:**

Clear

· **Odor:**

Ketone

· **Odor threshold:**

Not determined.

· **pH-value:**

Not applicable.

· **Change in condition****Melting point/Melting range:**

Not determined.

**Boiling point/Boiling range:**

79-151 °C (174.2-303.8 °F)

· **Flash point:**

-5 °C (23 °F)

· **Flammability (solid, gaseous):**

Not applicable.

· **Ignition temperature:**

Not applicable

· **Decomposition temperature:**

Not determined.

· **Auto igniting:**

Product is not self-igniting.

· **Danger of explosion:**

Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:****Lower:**

≥1 Vol %

**Upper:**

≤11.5 Vol %

· **Vapor pressure @ 20 °C (68 °F):**

70 hPa (52.5 mm Hg)

· **Density @ 20 °C (68 °F):**0.9928 g/cm<sup>3</sup> (8.2849 lbs/gal)· **Relative density:**

Not determined.

· **Vapor density:**

Not determined.

· **Evaporation rate:**

Not determined.

· **Solubility in / Miscibility with:****Water:**

Partly soluble.

· **Partition coefficient (n-octanol/water):** Not determined.· **Viscosity:****Dynamic:**

Not determined.

**Kinematic:**

Not determined.

(Contd. on page 8)

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 05/09/2019

Reviewed on 05/09/2019

**Trade Name: TPU-122 Nomar Urethane**

- **Solvent content:**

- **Solids content:** 52%-59 %

- **Other information:** No further relevant information available.

**10 Stability and Reactivity**

- **Reactivity:** No further relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Incompatibilities, flames, ignition sources.
- **Incompatible materials:**  
This product is incompatible with strong acids or bases, oxidizing agents and selected amines.
- **Hazardous decomposition products:**  
Combustion may yield carbon dioxide and/or carbon monoxide. Do not breathe smoke or fumes. Wear appropriate protective equipment.

**11 Toxicological Information**

- **Information on toxicological effects:**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

**108-65-6 2-methoxy-1-methylethyl acetate**

Oral	LD50	8,532 mg/kg (Rat)
Inhalative	LC50/4 h	35.7 mg/l (Rat)
	LC50/96 hours	129.92 mg/l (Trout)
	LC50/48 hrs	316.57 mg/l (Daphnia)

**123-86-4 n-butyl acetate**

Oral	LD50	13,100 mg/kg (Rat)
Dermal	LD50	>5,000 mg/kg (Rabbit)
Inhalative	LC50/4 h	>21 mg/l (Rat)

**78-93-3 Methyl ethyl ketone**

Oral	LD50	3,300 mg/kg (Rat)
Dermal	LD50	5,000 mg/kg (Rabbit)
Inhalative	LC50/96 hours	3,130-3,320 mg/l (Pimephales)

**1330-20-7 Xylene, mixture of isomers**

Oral	LD50	4,300 mg/kg (Rat)
Dermal	LD50	1,700 mg/kg (Rabbit)
Inhalative	LC50/4 h	5,000 mg/l (Rat)

**110-43-0 heptan-2-one**

Oral	LD50	1,670 mg/kg (Rat)
Dermal	LD50	12,600 mg/kg (Rabbit)

**100-41-4 Ethylbenzene**

Oral	LD50	3,500 mg/kg (Rat)
Dermal	LD50	15,433 mg/kg (Rabbit)

- **Primary irritant effect:**

- **On the skin:** No irritating effect.

(Contd. on page 9)



**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 05/09/2019

Reviewed on 05/09/2019

**Trade Name: TPU-122 Nomar Urethane**

- **On the eye:** Irritating effect.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:
- **Carcinogenic categories:**

· <b>IARC (International Agency for Research on Cancer):</b>		
1330-20-7	Xylene, mixture of isomers	3
100-41-4	Ethylbenzene	2B

· <b>NTP (National Toxicology Program):</b>
None of the ingredients are listed.

· <b>OSHA-Ca (Occupational Safety &amp; Health Administration):</b>
None of the ingredients are listed.

**12 Ecological Information**· **Toxicity:**

· <b>Aquatic toxicity:</b>	
<b>108-65-6 2-methoxy-1-methylethyl acetate</b>	
EC50	170.43 mg/l (Green algae) (96 Hr)
<b>123-86-4 n-butyl acetate</b>	
EC50	51.577 mg/l (Green algae)
	17.594 mg/l (Daphnia)
<b>78-93-3 Methyl ethyl ketone</b>	
EC50	7,060 mg/l (Daphnia)
<b>1330-20-7 Xylene, mixture of isomers</b>	
EC50	72 mg/l (Green algae)
	75.49 mg/l (Daphnia)
<b>100-41-4 Ethylbenzene</b>	
EC50	4.9 mg/l (Green algae)
	1.8-2.4 mg/l (Water flea)

- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

**13 Disposal Considerations**

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 10)

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 05/09/2019

Reviewed on 05/09/2019

**Trade Name: TPU-122 Nomar Urethane**

Observe all federal, state and local environmental regulations when disposing of this material.

- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

**14 Transport Information**

- **UN-Number:** UN1993
- **DOT, ADR/ADN, IMDG, IATA** UN1993
- **UN proper shipping name:** Flammable liquids, n.o.s. (Ethyl methyl ketone, 2-methoxy-1-methylethyl acetate)
- **DOT** UN1993 FLAMMABLE LIQUID, N.O.S. (ETHYL METHYL KETONE (METHYL ETHYL KETONE), 2-methoxy-1-methylethyl acetate)
- **ADR/ADN** FLAMMABLE LIQUID, N.O.S. (ETHYL METHYL KETONE (METHYL ETHYL KETONE), 2-methoxy-1-methylethyl acetate)
- **IMDG, IATA** FLAMMABLE LIQUID, N.O.S. (ETHYL METHYL KETONE (METHYL ETHYL KETONE), 2-methoxy-1-methylethyl acetate)
- **Transport hazard class(es):**
- **DOT**



- **Class:** 3 Flammable liquids
- **Label:** 3

· **ADR/ADN**

- **Class:** 3 (F1) Flammable liquids
- **Label:** 3

· **IMDG, IATA**

- **Class:** 3 Flammable liquids
- **Label:** 3
- **Packing group:** II
- **DOT, ADR/ADN, IMDG, IATA** II
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Warning: Flammable liquids
- **Danger code (Kemler):** 33
- **EMS Number:** F-E,S-E
- **Stowage Category** B
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

(Contd. on page 11)

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 05/09/2019

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**Trade Name: TPU-122 Nomar Urethane****· Transport/Additional information:****· DOT****· Quantity limitations:**

On passenger aircraft/rail: 5 L

On cargo aircraft only: 60 L

**· ADR/ADN****· Excepted quantities (EQ):**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

**· IMDG****· Limited quantities (LQ):**

1L

**· Excepted quantities (EQ):**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

**· UN "Model Regulation":**

UN 1993 FLAMMABLE LIQUID, N.O.S. (ETHYL METHYL KETONE (METHYL ETHYL KETONE), 2-METHOXY-1-METHYLETHYL ACETATE), 3, II

**15 Regulatory Information****· Safety, health and environmental regulations/legislation specific for the substance or mixture:****· SARA (Superfund Amendments and Reauthorization):****· Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

**· Section 313 (Specific toxic chemical listings):**

1330-20-7 Xylene, mixture of isomers

100-41-4 Ethylbenzene

**· TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

**· Hazardous Air Pollutants**

1330-20-7 Xylene, mixture of isomers

100-41-4 Ethylbenzene

**· California Proposition 65:****· Chemicals known to cause cancer:**

100-41-4 Ethylbenzene

**· Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

**· Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

**· Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

**· New Jersey Right-to-Know List:**

123-86-4 n-butyl acetate

78-93-3 Methyl ethyl ketone

1330-20-7 Xylene, mixture of isomers

110-43-0 heptan-2-one

(Contd. on page 12)

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 05/09/2019

Reviewed on 05/09/2019

**Trade Name: TPU-122 Nomar Urethane**

100-41-4	Ethylbenzene	
<b>· New Jersey Special Hazardous Substance List:</b>		
123-86-4	n-butyl acetate	F3
78-93-3	Methyl ethyl ketone	F3
1330-20-7	Xylene, mixture of isomers	F3
100-41-4	Ethylbenzene	CA, F3
<b>· Pennsylvania Right-to-Know List:</b>		
123-86-4	n-butyl acetate	
78-93-3	Methyl ethyl ketone	
1330-20-7	Xylene, mixture of isomers	
110-43-0	heptan-2-one	
100-41-4	Ethylbenzene	
<b>· Pennsylvania Special Hazardous Substance List:</b>		
123-86-4	n-butyl acetate	E
78-93-3	Methyl ethyl ketone	E
1330-20-7	Xylene, mixture of isomers	E
100-41-4	Ethylbenzene	E
<b>· Carcinogenic categories:</b>		
<b>· EPA (Environmental Protection Agency):</b>		
1330-20-7	Xylene, mixture of isomers	I
100-41-4	Ethylbenzene	D
<b>· TLV (Threshold Limit Value established by ACGIH):</b>		
1330-20-7	Xylene, mixture of isomers	A4
100-41-4	Ethylbenzene	A3
<b>· NIOSH-Ca (National Institute for Occupational Safety and Health):</b>		
None of the ingredients are listed.		

**· GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

**· Hazard pictograms:****· Signal word:** Warning**· Hazard-determining components of labeling:**

n-butyl acetate

Ethylbenzene

Methyl ethyl ketone

**· Hazard statements:**

H226 Flammable liquid and vapor.

H315+H320 Causes skin and eye irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to the hearing organs through prolonged or repeated exposure.

**· Precautionary statements:**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

(Contd. on page 13)

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 05/09/2019

Reviewed on 05/09/2019

**Trade Name: TPU-122 Nomar Urethane**

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.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves / eye protection / face protection.
P302+P352	If on skin: Wash with plenty of water.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
P314	Get medical advice/attention if you feel unwell.
P362+P364	Take off contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use for extinction: CO <sub>2</sub> , powder or water spray.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

• <b>National regulations:</b>
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None of the ingredients are listed.
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• <b>Chemical safety assessment:</b> A Chemical Safety Assessment has not been carried out.
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**16 Other Information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

• **Date of last revision/ revision number:** 05/09/2019 / -

• **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 NIOSH: National Institute for Occupational Safety and Health  
 OSHA: Occupational Safety & Health Administration  
 TLV: Threshold Limit Value

(Contd. on page 14)

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 05/09/2019

Reviewed on 05/09/2019

### Trade Name: TPU-122 Nomar Urethane

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B

Carc. 2: Carcinogenicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

• **\* Data compared to the previous version altered.**

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