

### Core™ FP164 P-27LTR NP Plastisol Closure

Version Number 1.10 Revision Date 05/09/2025 Page 1 of 15 Print Date 05/10/2025

# SAFETY DATA SHEET

#### Core<sup>™</sup> FP164 P-27LTR NP Plastisol Closure

Section 1. Identification	on	
GHS product identifier	:	Core <sup>™</sup> FP164 P-27LTR NP Plastisol Closure
Chemical name	:	Mixture
CAS number	:	Mixture
Other means of identification	:	FO20046758
Product type	:	liquid
Relevant identified uses of the subs	stance	or mixture and uses advised against
Product use	:	Industrial applications. Plastics.
Supplier's details	:	AVIENT CORPORATION
		33587 Walker Road, Avon Lake, OH 44012
		1 (440) 930-1000 or 1 (844) 4AVIENT
Emergency telephone number	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or
(with hours of operation)		accident).

# Section 2. Hazards identification

This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. However, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

OSHA/HCS status	:	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture	:	Not classified.
GHS label elements		
Signal word	:	No signal word.
		1/15



## Core<sup>™</sup> FP164 P-27LTR NP Plastisol Closure

:

Version Number 1.10 Revision Date 05/09/2025 Page 2 of 15 Print Date 05/10/2025

Hazard statements

No known significant effects or critical hazards.

#### **Precautionary statements**

	:	Not applicable.
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	None known.
Hazards not otherwise classified	:	None known.
		Not available.

# Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	FO20046758

**CAS number/other identifiers** 

Ingredient name	%	CAS number
Titanium dioxide	>= 0.3 - <= 1	13463-67-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

# **Section 4. First aid measures**

Description of necessary first aid measures

Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses.
	Get medical attention if irritation occurs.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable
	for breathing. Get medical attention if symptoms occur. In case of
	inhalation of decomposition products in a fire, symptoms may be
	delayed. The exposed person may need to be kept under medical
	2/15



# Core<sup>™</sup> FP164 P-27LTR NP Plastisol Closure

Version Number	er 1.10
<b>Revision Date</b>	05/09/2025

Page 3 of 15 Print Date 05/10/2025

Skin contact Ingestion	:	surveillance for 48 hours. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Most important symptoms/effects, ac	cute a	nd delayed
Potential acute health effects		
Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.
<b>Over-exposure signs/symptoms</b>		
Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Indication of immediate medical att	entio	n and special treatment needed, if necessary
Notes to physician	:	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.
See toxicological information (Section	on 11	)

# Section 5. Fire-fighting measures

#### **Extinguishing media**

Suitable extinguishing media Unsuitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or CO <sub>2</sub> . None known.
Specific hazards arising from the chemical	:	In a fire or if heated, a pressure increase will occur and the container may burst.



## Core<sup>™</sup> FP164 P-27LTR NP Plastisol Closure

Version Number 1.10 Revision Date 05/09/2025

#### Page 4 of 15 Print Date 05/10/2025

Hazardous thermal decomposition products	:	May emit Hydrogen Chloride (HCl). Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides
Special protective actions for fire- fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action 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.

# Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel For emergency responders	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for containment and cleaning up		
Small spill	:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an 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 (see Section 13).



# Core™ FP164 P-27LTR NP Plastisol Closure

Version Number 1.10 Revision Date 05/09/2025 Page 5 of 15 Print Date 05/10/2025

Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# Section 7. Handling and storage

Precautions for safe handling

Protective measures Advice on general occupational hygiene	:	Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

# Section 8. Exposure controls/personal protection

#### Control parameters

#### **Occupational exposure limits**

Ingredient name	Exposure limits
Titanium dioxide	OSHA PEL 1989 (1989-03-01)
	TWA 10 mg/m3 Form: Total dust
	OSHA PEL (1993-06-30)
	TWA 15 mg/m3 Form: Total dust
	ACGIH TLV (2022-01-06)
	TWA 0.2 mg/m3 Form: respirable fraction, nanoscale particles
	TWA 2.5 mg/m3 Form: respirable fraction, finescale particles

Appropriate engineering controls	:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Environmental exposure controls	:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of
		E/1 E



# Core™ FP164 P-27LTR NP Plastisol Closure

Version Number 1.10 Revision Date 05/09/2025 Page 6 of 15 Print Date 05/10/2025

		environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measures		
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	:	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, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

# Section 9. Physical and chemical properties

#### **Appearance**

Physical state Color	:	liquid [liquid] WHITE
Odor	:	Not available.
Odor threshold	:	Not available.
рН	:	Not available.
Melting point	:	Not available.
Boiling point	:	Not available.



# Core<sup>™</sup> FP164 P-27LTR NP Plastisol Closure

Version Number 1.10 Revision Date 05/09/2025 Page 7 of 15 Print Date 05/10/2025

Flash point	:	Not available.
Burning time	:	Not available.
Burning rate	:	Not available.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive	:	Lower: Not available.
(flammable) limits		Upper: Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	Not available.
Solubility	:	Not available.
Solubility in water	:	Not available.
Partition coefficient: n-	:	Not applicable.
octanol/water		
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
2 ccomposition composition c		
SADT	:	Not available.
	:	<b>Dynamic:</b> Not available.
SADT	-	
SADT	-	<b>Dynamic:</b> Not available.
SADT Viscosity	-	<b>Dynamic:</b> Not available.
SADT Viscosity <u>Aerosol product</u> Heat of combustion	:	<b>Dynamic:</b> Not available. <b>Kinematic:</b> Not available.
SADT Viscosity <u>Aerosol product</u> Heat of combustion Ignition distance	:	<b>Dynamic:</b> Not available. <b>Kinematic:</b> Not available. Not available.
SADT Viscosity <u>Aerosol product</u> Heat of combustion Ignition distance Enclosed space ignition - Time	:	<b>Dynamic:</b> Not available. <b>Kinematic:</b> Not available. Not available. Not available.
SADT Viscosity <u>Aerosol product</u> Heat of combustion Ignition distance Enclosed space ignition - Time equivalent	:	<b>Dynamic:</b> Not available. <b>Kinematic:</b> Not available. Not available. Not available.
SADT Viscosity <u>Aerosol product</u> Heat of combustion Ignition distance Enclosed space ignition - Time equivalent Enclosed space ignition -	:	Dynamic: Not available. Kinematic: Not available. Not available. Not available. Not available.
SADT Viscosity <u>Aerosol product</u> Heat of combustion Ignition distance Enclosed space ignition - Time equivalent Enclosed space ignition - Deflagration density	:	Dynamic: Not available. Kinematic: Not available. Not available. Not available. Not available.
SADT Viscosity <u>Aerosol product</u> Heat of combustion Ignition distance Enclosed space ignition - Time equivalent Enclosed space ignition -	:	Dynamic: Not available. Kinematic: Not available. Not available. Not available. Not available. Not available.

# Section 10. Stability and reactivity

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	Stable under recommended storage and handling conditions (see Section 7).
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	Keep away from extreme heat and oxidizing agents.
Incompatible materials	:	Avoid contact with acetal homopolymers and acetyl homopolymers during processing.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.



## Core™ FP164 P-27LTR NP Plastisol Closure

Version Number 1.10 Revision Date 05/09/2025 Page 8 of 15 Print Date 05/10/2025

# Section 11. Toxicological information

#### Information on toxicological effects

Product/ingredient name	Result	Species		Dose	Exposure
Titanium oxide (TiO2)		· -			
	LC50 Inhalation	Rat - Male	<b>,</b>	6.82 Mg/l	4 h
	Dusts and mists				
	LD50 Dermal	Rabbit		> 5,000 mg/kg	-
Conclusion/Summary	: Mixture	e.Not fully to	ested.		
Irritation/Corrosion					
Conclusion/Summary					
Skin		e.Not fully t			
Eyes		e.Not fully t			
Respiratory	: Mixtur	re.Not fully t	ested.		
<u>Sensitization</u>					
Conclusion/Summary					
Skin		re.Not fully t			
Respiratory	: Mixtur	re.Not fully t	ested.		
Mutagenicity					
Conclusion/Summary	: Mixtur	e.Not fully t	ested.		
<u>Carcinogenicity</u>					
Conclusion/Summary	: Mixtu	e.Not fully t	ested.		
<b>Classification</b>					
Product/ingredient name	OSHA IA	RC	NTP		
Titanium oxide (TiO2)	- 2B		-		

#### **Reproductive toxicity**

Conclusion/Summary	:	Mixture.Not fully tested.
<u>Teratogenicity</u>		
Conclusion/Summary	:	Mixture.Not fully tested.

8/15

Teratogenicity

## SAFETY DATA SHEET



# Core™ FP164 P-27LTR NP Plastisol Closure

Version Number 1.10 Revision Date 05/09/2025 Page 9 of 15 Print Date 05/10/2025

#### Specific target organ toxicity (single exposure) Not available. Specific target organ toxicity (repeated exposure) Not available. **Aspiration hazard** Not available. Information on the likely routes of Not available. : exposure Potential acute health effects **Eve contact** No known significant effects or critical hazards. : No known significant effects or critical hazards. Inhalation : No known significant effects or critical hazards. Skin contact : Ingestion : No known significant effects or critical hazards. Symptoms related to the physical, chemical and toxicological characteristics Eye contact No specific data. : Inhalation No specific data. : Skin contact : No specific data. Ingestion No specific data. : Delayed and immediate effects and also chronic effects from short and long term exposure Short term exposure **Potential immediate effects** Not available. : **Potential delayed effects** Not available. Long term exposure **Potential immediate effects** Not available. : **Potential delayed effects** Not available. Potential chronic health effects Mixture.Not fully tested. **Conclusion/Summary** : General No known significant effects or critical hazards. : No known significant effects or critical hazards. Carcinogenicity : Mutagenicity No known significant effects or critical hazards. :

:

No known significant effects or critical hazards.

9/15



## Core™ FP164 P-27LTR NP Plastisol Closure

Version Number 1.10 Revision Date 05/09/2025 Page 10 of 15 Print Date 05/10/2025

Developmental effects:No known significant effects or critical hazards.Fertility effects:No known significant effects or critical hazards. No known significant effects or critical hazards.

Numerical measures of toxicity

#### Acute toxicity estimates

Product/ingredient name	Oral	Dermal	Inhalation (gases)	Inhalation (vapors)	Inhalation (dusts and mists)
Core <sup>™</sup> FP164 P-27LTR NP Plastisol Closure	110180.7 mg/kg	N/A	N/A	N/A	N/A
Titanium oxide (TiO2)	N/A	N/A	N/A	N/A	6.82 Mg/l

Other information

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

# Section 12. Ecological information

:

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
Titanium oxide (TiO2)			
	Acute LC50 > 1,000 Mg/l	Fish - Fundulus heteroclitus	96 h
	Marine water		
	Acute LC50 3 Mg/l Fresh water	Crustaceans - Ceriodaphnia	48 h
		dubia	
	Acute LC50 6.5 Mg/l Fresh	Daphnia - Daphnia pulex	48 h
	water		

**Conclusion/Summary** 

: Not available.

:

Persistence and degradability

Conclusion/Summary

Not available.

#### **Bioaccumulative potential**



# Core™ FP164 P-27LTR NP Plastisol Closure

Version Number 1.10 Revision Date 05/09/2025

Page 11 of 15 Print Date 05/10/2025

Not available.

Mobility in soil		
Soil/water partition coefficient (KOC)	:	Not available.
Other adverse effects	:	No known significant effects or critical hazards.

# Section 13. Disposal considerations

contact with soil, waterways, drains and sewers.
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United States - RCRA Acute hazardous waste "P" List: Not listed

United States - RCRA Toxic hazardous waste "U" List: Not listed

# Section 14. Transport information

U.S.DOT 49CFR Ground/Air/Water	:	Not regulated for transportation.
International Air ICAO/IATA	:	Consult mode specific transport rules
International Water IMO/IMDG	:	Consult mode specific transport rules

# Section 15. Regulatory information



## Core™ FP164 P-27LTR NP Plastisol Closure

Version Number 1.10 Revision Date 05/09/2025

Page 12 of 15 Print Date 05/10/2025

U.S. Federal regulati

**Chemicals**)

U.S. Federal regulations	:	<ul> <li>United States - TSCA 12(b) - Chemical export notification: None of the components are listed.</li> <li>United States - TSCA 4(a) - Final Test Rules: Not listed</li> <li>United States - TSCA 4(a) - Proposed test rules: Not listed</li> <li>United States - TSCA 4(a) - Proposed test rules: Not listed</li> <li>United States - TSCA 4(f) - Priority risk review: Not listed</li> <li>United States - TSCA 4(f) - Priority risk review: Not listed</li> <li>United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed</li> <li>United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed</li> <li>United States - TSCA 5(e) - Substances consent order: Not listed</li> <li>United States - TSCA 6 - Final risk management: Not listed</li> <li>United States - TSCA 6 - Proposed risk management: Not listed</li> <li>United States - TSCA 8(a) - Chemical risk rules: Not listed</li> <li>United States - TSCA 8(a) - Dioxin/Furane precusor: Not listed</li> <li>United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined</li> <li>United States - TSCA 8(a) - Preliminary assessment report</li> <li>(PAIR): Listed Poly(dimethylsiloxane)</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Miscellaneous Zinc Compounds</li> <li>Vinyl chloride monomer</li> <li>United States - EPA Clean water act (CWA) section 311 - Hazardous substances: Not listed</li> <li>United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed</li> </ul>
		release prevention - Toxic substances: Not listed United States - Department of commerce - Precursor chemical: Not listed
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	:	Listed
Clean Air Act Section 602 Class I Substances	:	Not listed
Clean Air Act Section 602 Class II Substances	:	Not listed
DEA List I Chemicals (Precursor Chemicals)	:	Not listed
DEA List II Chemicals (Essential	:	Not listed



## Core™ FP164 P-27LTR NP Plastisol Closure

Version Number 1.10 Revision Date 05/09/2025

Page 13 of 15 Print Date 05/10/2025

#### US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

#### SARA 311/312

Classification

Not applicable.

:

#### **Composition/information on ingredients**

No products were found.

Name	%	Classification
Titanium oxide (TiO2)	>= 0.3 - <= 1	CARCINOGENICITY - Category 2

Not applicable.

<u>State regulations</u> Massachusetts	• т	he following components are listed:
Massachusetts		Barium sulfate
New York	: N	one of the components are listed.
New Jersey	: T	he following components are listed:
		Ethene, chloro-, homopolymer
	-	Barium sulfate
Pennsylvania	: T	he following components are listed:
-		Barium sulfate

#### California Prop. 65

**WARNING:** This product can expose you to Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
Titanium dioxide	-	-

United States inventory (TSCA 8b)	:	All components are active or exempted.
Canada inventory	:	All components are listed or exempted.
<u>International regulations</u> <u>Inventory list</u>		
Australia Canada	:	Not determined. All components are listed or exempted.
13/15		



## Core™ FP164 P-27LTR NP Plastisol Closure

Version Number 1.10 Revision Date 05/09/2025 Page 14 of 15 Print Date 05/10/2025

China	:	Not determined.
Eurasian Economic Union	:	Russian Federation inventory: Not determined.
Japan	:	Japan inventory (CSCL): Not determined.
-		Japan inventory (ISHL): Not determined.
New Zealand	:	Not determined.
Philippines	:	Not determined.
Republic of Korea	:	Not determined.
Taiwan	:	Not determined.
Thailand	:	Not determined.
Turkey	:	Not determined.
United States	:	All components are active or exempted.
Viet Nam	:	Not determined.

# Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	/	0
Flammability		0
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual. History

Date of printing	:	05/10/2025
Date of issue/Date of revision	:	05/09/2025
Date of previous issue	:	05/01/2025
Version	:	1.10
Key to abbreviations	:	ATE = Acute Toxicity Estimate
•		BCF = Bioconcentration Factor
		GHS = Globally Harmonized System of Classification and Labelling of
		Chemicals
		IATA = International Air Transport Association
		IBC = Intermediate Bulk Container
		IMDG = International Maritime Dangerous Goods
		LogPow = logarithm of the octanol/water partition coefficient
		MARPOL = International Convention for the Prevention of Pollution From
		Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine
		pollution)
		$\hat{U}N = United Nations$
References	:	Not available.
		14/15



# Core™ FP164 P-27LTR NP Plastisol Closure

Version Number 1.10 Revision Date 05/09/2025 Page 15 of 15 Print Date 05/10/2025

#### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, 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 that exist. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.