PipeFit® Thread Sealing Paste with PTFE

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations, Canada Hazardous Products Regulations (HPR) / Règlement sur les produits dangereux (RPD)

Issue date: 05/25/2011 Revision date: 12/29/2020 Supersedes: 10/29/2015 Version: 3.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Trade name : PIPETITE® PASTE

1.2. Recommended use and restrictions on use

Use of the substance/mixture : sealant

Restrictions on use : No data available

1.3. Supplier

LA-CO Industries, Inc.
1201 Pratt Boulevard
Elk Grove Village, IL. 60007-5746
Phone: (847) 956-7600
Fax: (847) 956-9885
E-mail: customer_service@laco.com

1.4. Emergency telephone number

Emergency number : 24-hour emergency: CHEMTREC- U.S. : 1-800-424-9300 International: +1-703-527-3887;
全国应急中心 0532 8388 9090

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS labelling

No labelling applicable

2.3. Other hazards which do not result in classification

No data available

2.4. Unknown acute toxicity (GHS)

23.98% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
23.98% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
23.98% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	% (w/w)	GHS classification
(2-Methoxymethylethoxy)-propanol	(CAS-No.) 34590-94-8	20 - 40	Flam. Liq. 4, H227
N-Ethyl O/P Toluene Sulfonamides	(CAS-No.) 8047-99-2	10 - 15	Acute Tox. 3 (Dermal), H311
Titanium dioxide	(CAS-No.) 13463-67-7	1 - 5	Carc. 2, H351
Aluminum silicate	(CAS-No.) 68476-25-5	1 - 5	Eye Irrit. 2A, H319 STOT SE 3, H335
Carbon black	(CAS-No.) 1333-86-4	0.1 - 1	Carc. 2, H351

***Chemical name, CAS number and/or exact concentration have been withheld as a trade secret**

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Wash with plenty of water.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion : Immediately call a POISON CENTER/doctor.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : None known.

4.3. Immediate medical attention and special treatment, if necessary

All treatments should be based on observed signs and symptoms of distress in the patient.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Dry powder. Foam. Carbon dioxide. Water fog. Water spray.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : No particular fire or explosion hazard. Burning produces irritating, toxic and noxious fumes.

Reactivity : No dangerous reactions known.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid all unnecessary exposure.

6.1.1. For non-emergency personnel

Protective equipment : Refer to section 8.2.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Refer to section 8.2.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Absorb and/or contain spill with inert material, then place in suitable container.

Methods for cleaning up : Wipe up with absorbent material (for example cloth).

6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : No open flames. No smoking. Avoid breathing fume, vapours.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool and well-ventilated place.

Incompatible products : Oxidizer.

Incompatible materials : Heat sources.

Prohibitions on mixed storage : Incompatible materials.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

N-Ethyl O/P Toluene Sulfonamides (8047-99-2)		
Not applicable		

(2-Methoxymethylethoxy)-propanol (34590-94-8)		
ACGIH	Local name	(2-Methoxymethylethoxy)propanol
ACGIH	ACGIH TWA (mg/m³)	606 mg/m³
ACGIH	ACGIH OEL TWA [ppm]	100 ppm
ACGIH	ACGIH STEL (mg/m³)	909 mg/m³
ACGIH	ACGIH OEL STEL [ppm]	150 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: Eye & URT irr; CNS impair. Notations: Skin
ACGIH	Regulatory reference	ACGIH 2020
OSHA	OSHA PEL TWA [1]	600 mg/m³
OSHA	OSHA PEL TWA [2]	100 ppm
OSHA	OSHA PEL STEL [1]	600 mg/m³
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
IDLH	IDLH [ppm]	600 ppm
NIOSH	NIOSH REL TWA	600 mg/m³
NIOSH	NIOSH REL TWA [ppm]	100 ppm
NIOSH	NIOSH REL STEL	900 mg/m³
NIOSH	NIOSH REL STEL [ppm]	150 ppm

Titanium dioxide (13463-67-7)		
ACGIH	Local name	Titanium dioxide
ACGIH	ACGIH TWA (mg/m³)	10 mg/m³
ACGIH	Remark (ACGIH)	TLV® Basis: LRT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
ACGIH	Regulatory reference	ACGIH 2020
OSHA	OSHA PEL TWA [1]	15 mg/m³
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

Aluminum silicate (68476-25-5)		
ACGIH	ACGIH TWA (mg/m³)	1 mg/m³ (Respirable fraction)

Carbon black (1333-86-4)		
ACGIH	Local name	Carbon black
ACGIH	ACGIH TWA (mg/m³)	3 mg/m³ (I - Inhalable particulate matter)
ACGIH	Remark (ACGIH)	TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
ACGIH	Regulatory reference	ACGIH 2020
OSHA	OSHA PEL TWA [1]	3.5 mg/m³
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
NIOSH	NIOSH REL TWA	3.5 mg/m³
NIOSH	NIOSH REL STEL	0.1 mg/m³

8.2. Appropriate engineering controls

Appropriate engineering controls : Avoid splashing. Either local exhaust or general room ventilation is usually required.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear suitable gloves. Use rubber gloves.

Eye protection:

In case of splashing or aerosol production: protective goggles.

Respiratory protection:

None under normal use

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Appearance	:	Paste.
Colour	:	Grey
Odour	:	Ether
Odour threshold	:	No data available
pH	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	177 °C
Flash point	:	71 °C
Relative evaporation rate (butylacetate=1)	:	No data available
Flammability (solid, gas)	:	Combustible liquid.
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	1.4
Solubility	:	insoluble in water.
Log Pow	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive limits	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available

9.2. Other information

VOC content : 30 – 40 % (w.w); 32-42% (v/v); 0.3-0.4 kg/l

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Combustible liquid. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Open flame. Overheating. Direct sunlight. Heat. Sparks.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

May release flammable gases. Burning produces irritating, toxic and noxious fumes. Carbon dioxide. Carbon monoxide. Aldehydes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Unknown acute toxicity (GHS)	23.98% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 23.98% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 23.98% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

N-Ethyl O/P Toluene Sulfonamides (8047-99-2)	
LD50 oral rat	2250 mg/kg
LD50 dermal rabbit	1000 mg/kg
ATE (oral)	2250 mg/kg bodyweight
ATE (dermal)	1000 mg/kg bodyweight

(2-Methoxymethylethoxy)-propanol (34590-94-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 19020 mg/kg
LC50 Inhalation - Rat	> 1667 mg/l/4h

Titanium dioxide (13463-67-7)	
LD50 oral rat	> 5000 mg/kg
LC50 Inhalation - Rat	> 6.82 mg/l/4h

Carbon black (1333-86-4)	
LD50 oral rat	> 8000 mg/kg
LC50 Inhalation - Rat	> 4.6 mg/m³ 4 h

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified.

Titanium dioxide (13463-67-7)	
NOAEL (chronic, oral, animal/male, 2 years)	5 mg/kg bodyweight rat
Additional information	Carcinogen, cat 1A or 1B Inhalation of dust
IARC group	2B - Possibly carcinogenic to humans

Carbon black (1333-86-4)	
IARC group	2B - Possibly carcinogenic to humans, Inhalation of dust

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

Aluminum silicate (68476-25-5)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

Likely routes of exposure : Inhalation. Skin and eye contact.

Symptoms/effects : None known.

Other information : No data available.

SECTION 12: Ecological information

12.1. Toxicity

(2-Methoxymethylethoxy)-propanol (34590-94-8)	
LC50 fish 1	> 1000 mg/l Poecilia reticulata
ErC50 algae	> 1000 mg/l

12.2. Persistence and degradability

PIPETITE® PASTE	
Persistence and degradability	Not established.

(2-Methoxymethylethoxy)-propanol (34590-94-8)	
Persistence and degradability	Readily biodegradable.

Carbon black (1333-86-4)	
Persistence and degradability	Not readily biodegradable.

12.3. Bioaccumulative potential

PIPETITE® PASTE	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

PIPETITE® PASTE	
Ecology - soil	Not established.

12.5. Other adverse effects

Other information : No data available.

SECTION 13: Disposal considerations

13.1. Disposal methods

Sewage disposal recommendations : Do not dispose of waste into sewer.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Additional information : Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated.

Other information :No supplementary information available

Transportation of Dangerous Goods

Not regulated.

Transport by sea

Not regulated.

Air transport

Not regulated.

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

CANADA

N-Ethyl O/P Toluene Sulfonamides (8047-99-2)
Listed on the Canadian DSL (Domestic Substances List) inventory.

(2-Methoxymethylethoxy)-propanol (34590-94-8)
Listed on the Canadian DSL (Domestic Substances List) inventory.

Titanium dioxide (13463-67-7)
Listed on the Canadian DSL (Domestic Substances List) inventory.

Aluminum silicate (68476-25-5)
Listed on the Canadian DSL (Domestic Substances List) inventory.

Carbon black (1333-86-4)
Listed on the Canadian DSL (Domestic Substances List) inventory.

EU-Regulations

N-Ethyl O/P Toluene Sulfonamides (8047-99-2)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Titanium dioxide (13463-67-7)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Aluminum silicate (68476-25-5)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Carbon black (1333-86-4)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

PIPETITE® PASTE
All ingredients are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).

N-Ethyl O/P Toluene Sulfonamides (8047-99-2)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the AICS (Australian Inventory of Chemical Substances) Listed on Taiwan National Chemical Inventory Listed on the Inventory of Existing Chemical Substances Produced or Imported in China (IECSC). Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Titanium dioxide (13463-67-7)
Listed on IARC (International Agency for Research on Cancer) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on Taiwan National Chemical Inventory Listed on the AICS (Australian Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Carbon black (1333-86-4)
Listed on IARC (International Agency for Research on Cancer) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the AICS (Australian Inventory of Chemical Substances) Listed on Taiwan National Chemical Inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Inventory of Existing Chemical Substances Produced or Imported in China (IECSC). Listed on the Japanese ISHL (Industrial Safety and Health Law)

15.3. US State regulations

PIPETITE® PASTE	
State or local regulations	The Carbon black in this product is bound and is not respirable. The titanium dioxide in this product is bound and is not respirable. California Prop. 65 warnings are not required.

Component	State or local regulations
(2-Methoxymethylethoxy)-propanol(34590-94-8)	U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Titanium dioxide(13463-67-7)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Carbon black(1333-86-4)	U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Revision date : 12/29/2020

Data sources : ACGIH (American Conference of Government Industrial Hygienists). European Chemicals Agency (ECHA) C&L Inventory database. Accessed at http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. OSHA 29CFR 1910.1200 Hazard Communication Standard. TSCA Chemical Substance Inventory. Accessed at http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html.

Other information : None.

Full text of H-statements:

H227	Combustible liquid
H311	Toxic in contact with skin.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.

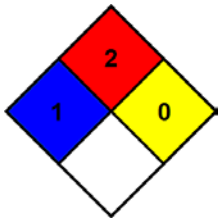
Abbreviations and acronyms:

	ATE: Acute Toxicity Estimate
	CAS (Chemical Abstracts Service) number
	CLP: Classification, Labelling, Packaging.
	EC50: Environmental Concentration associated with a response by 50% of the test population.
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
	LD50: Lethal Dose for 50% of the test population
	OSHA: Occupational Safety & Health Administration
	PBT: Persistent, Bioaccumulative, Toxic
	TWA: Time Weighted Average
	TSCA: Toxic Substances Control Act

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and not reactive with water.



Indication of changes:
Regulatory information.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.