



EVEREST® PM 320
Lubricant

Version:	1.0
Revision Date:	01.04.2015
Print Date:	28.04.2017

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name: EVEREST® PM 320
Synonyms: Mixed polyol ester
Product Use Description: Lubricant

Company:

Manufacturer

Chemtura Adv. Materials (Nantong) Co. LTD
No.97 JiangHai Road, NETDA
Nantong
226017
P.R., China

Supplier

Chemtura China Holding Co., Ltd.
Room 1702, China Fortune Tower, No. 1568 Century Avenue
Shanghai
200122
P.R., China

Emergency telephone number: +86 10 5100 3039 (NCEC)

Prepared by For additional emergency telephone numbers see section 16 of the Safety Data Sheet.
Product Safety Department
(US) +1 866-430-2775
(EU) +44 (0) 1753.603.000
+011-886-2-2712-5668 MSDSRequest@chemtura.com

SECTION 2. HAZARDS IDENTIFICATION

GHS-Classification

Not a hazardous substance or mixture.

GHS-Labeling

Not a hazardous substance or mixture.



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SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical Name	CAS-No.	Concentration [%]
Decanoic acid, ester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol octanoate	11138-60-6	>=10 - < 20

SECTION 4. FIRST AID MEASURES

First aid procedures

- Inhalation : If inhaled
Move to fresh air.
If not breathing, give artificial respiration.
If breathing is difficult, give oxygen.
In case of bluish discoloration (lips, ear lobes, fingernails), give oxygen as quickly as possible.
If symptoms persist, call a physician.
- Skin contact : In case of skin contact
Wash off with soap and water.
Remove contaminated clothing and shoes.
Wash contaminated clothing before re-use.
Get medical attention if irritation develops and persists.
- Eye contact : In case of eye contact
Rinse thoroughly with plenty of water, also under the eyelids.
If eye irritation persists, consult a specialist.
- Ingestion : If swallowed, DO NOT induce vomiting.
Consult a physician if necessary.

Notes to physician

- Symptoms : None known.
- Treatment : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5. FIREFIGHTING MEASURES

Flammable properties

- Flash point : 290 °C (554 °F)
Method: open cup
- Lower explosion limit : Remarks: No data available
- Upper explosion limit : Remarks: No data available



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Protective equipment and precautions for firefighters

- Suitable extinguishing media : Carbon dioxide (CO2)
Dry powder
Foam
Alcohol-resistant foam
Water mist
- Unsuitable extinguishing media : High volume water jet
- Hazardous decomposition products : Type: Hazardous decomposition products
Carbon oxides
- Further information : In the event of fire, cool tanks with water spray.
- Specific hazards during firefighting : Burning produces noxious and toxic fumes.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.
- Environmental precautions : Should not be released into the environment.
Do not contaminate water.
Do not flush into surface water or sanitary sewer system.
- Methods for containment /
Methods for cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
- Additional advice : Forms slippery/greasy layers with water.

SECTION 7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Keep container closed when not in use.
Do not use pressure to empty drums.
Ensure all equipment is electrically grounded before beginning transfer operations.

Storage

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.
- Other data : Stable under recommended storage conditions.



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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures

Effective exhaust ventilation system

Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Respiratory protection : Breathing apparatus needed only when aerosol or mist is formed.
In the case of vapour formation use a respirator with an approved filter.

Hand protection : Neoprene gloves

Eye protection : Safety glasses with side-shields
Tightly fitting safety goggles

Skin and body protection : impervious clothing

Hygiene measures : Avoid contact with skin, eyes and clothing.
Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : oily
liquid

Colour : amber
to
light yellow

Odour : ester-like

Safety data

Flash point : 290 °C
Method: open cup

Ignition temperature : Remarks: No data available

Lower explosion limit : No data available



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Upper explosion limit : No data available

pH : Not applicable

Melting point/freezing point : No data available

Boiling point/boiling range : No data available

Vapour pressure : No data available

Density : 1.018 g/cm³
at 15.6 °C

Specific Gravity : 1.019

Water solubility :
insoluble

Viscosity, dynamic : No data available

Viscosity, kinematic : 320 mm²/s
at 40 °C

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Contamination
Heat, flames and sparks.

Materials to avoid : Strong acids and strong bases

Hazardous decomposition products : Type: Hazardous decomposition products
Carbon oxides

Hazardous reactions : Type: polymerisation
Hazardous polymerisation does not occur.

Note : Stable under recommended storage conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

There is no data available for this product.

Component:

MSDS Number: 000000040641



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: Acute oral toxicity
LD50 Rat
Dose: > 5,000 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity
LD50 Rabbit
Dose: > 2,000 mg/kg
Method: OECD Test Guideline 402

Acute inhalation toxicity
LC50 Rat
Exposure time: 6 h
Dose: > 28.1 mg/l
Test substance: see user defined free text
Remarks: Information given is based on data obtained from similar substances.

Skin irritation
Rabbit
Result: No skin irritation
Method: OECD Test Guideline 404

Eye irritation
Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405
Test substance: see user defined free text
Remarks: Information given is based on data obtained from similar substances.

Sensitisation
see user defined free text Guinea pig
Classification: Did not cause sensitisation on laboratory animals.
Test substance: see user defined free text
Remarks: Information given is based on data obtained from similar substances.

STOT - repeated exposure

Application Route: Oral, Skin contact

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

SECTION 12. ECOLOGICAL INFORMATION

There is no data available for this product.

Component:

Decanoic acid, ester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol octanoate
11138-60-6

: Toxicity to fish:
static test LC50
Species: *Oncorhynchus mykiss* (rainbow trout)
Dose: > 1,035 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates:
static test
Species: *Daphnia* (water flea)
Dose: > 2,570 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202



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Toxicity to algae:
static test EC50
Species: Scenedesmus quadricauda (Green algae)
Dose: > 1,018 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : In accordance with local and national regulations.
Contaminated packaging : Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

ADR

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

RID

Not dangerous goods

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

The components of this product are reported in the following inventories:

US.TSCA	On the inventory, or in compliance with the inventory
DSL	All components of this product are on the Canadian DSL.
AICS	Not in compliance with the inventory
NZIoC	Not in compliance with the inventory
ENCS	Not in compliance with the inventory



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KECI On the inventory, or in compliance with the inventory
 PICCS On the inventory, or in compliance with the inventory
 IECSC On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Further information

Carechem24 International Worldwide Coverage

Emergency Phone Number

<u>Europe:</u>	All European Countries	+44 (0) 1235 239 670 (NCEC)
<u>Asia Pacific:</u>	East / South East Asia – Regional Number	+65 3158 1074
	Australia	+61 2801 44558
	New Zealand	+64 9929 1483
	China Taiwan	+86 10 5100 3039
	Japan	+81 345 789 341
	Indonesia	00780 3011 0293
	Malaysia	+60 3 6207 4347
	Thailand	001800 1 2066 6751
	Korea	+65 3158 1285
	Vietnam	+65 3158 1255
	India	+65 3158 1198
	Pakistan	+65 3158 1329
	Philippines	+65 31581203
	Sri Lanka	+65 3158 1195
	Bangladesh	+65 3158 1200
<u>Middle East / Africa:</u>	Arabic speaking countries	+44 (0) 1235 239 671
	All other countries	+44 (0) 1235 239 670
<u>America</u>	United States / Canada	001866 928 0789
<u>Latin America:</u>	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
	Mexico	+52 555 004 8763

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