1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

Chemical Chinese name	聚氧化丙烯氧化乙烯醚多元醇
Chemical English name	Poly (propylene oxide ethylene oxide) polyol
Commodity Chinese name	聚醚多元醇 INOVOL® F5631
Commodity English name	Polyether polyol INOVOL® F5631

IDENTIFICATION

Company	ShiDa ShengHua (Hong Kong) Co., Limited
Address	Room 603, 6 / F, Chinese bank building, 61-65 des Voeux Road Central, Hong Kong

EMERGENCY TELEPHONE

+86 532 80986890

RECOMMENDED USE AND LIMITED USE

Recommended use	material of polyurethane polymer
Limited use	N/A

2. Hazards identification

Emergency identification

Transparent liquid without suspended matter

GHS risk category

Do not belong to the dangerous substance or mixture according to the global harmonized system

Label element

symbol/pictogram	none
signal word	N/A
hazard defines	N/A

prevention defines

precaution	none
response	none
storage	none
dispose	none

Physical and chemical risk

N/A

Health hazard

N/A

Environment hazard

N/A

Other hazards

N/A

3. Composition and information on ingredients

mixture

chemical	CAS number	weight %
Polymers of glycerol, propylene oxide and ethylene oxide	9003-11-6	100

4. First aid measures

Description of first aid measures

inhalation	Not a desired contact way
Skin Contact	No special technology protection measures
Eye Contact	Not a desired contact way
Ingestion	Gargle, Medical treatment. Do not give anything to unconscious patient via the mouth.

Most important symptom and health effects(including acute and delayed)

N/A.

Advice to protecting rescuer

Use personal protective equipment according to requirements

Special note to doctor

Symptomatic treatment

5. Firefighting measures

Extinguishing agent

Appropriate extinguishing agent

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Inapposite extinguishing agent

Large capacity water injection

Special risk

Themal decomposition can lead to release the excitant and toxic gases and vapors.

Fire precautions and protective measures

Evacuate people to safety. Remove the container out from the fire on the premise of no risk.Use the water spray cooling barrel. Firefighters should wear self-contained breathing apparatus and a full range of fire protection clothing and stay on the tuyere. Ensure adequate ventilation especially in confined areas.

6. Accidental release measures

Personnel protective measures, protective equipment and emergency disposal procedures

Ensure adequate ventilation especially in confined areas and remove all fire.

Environmental Protection Measures

Can not make the leakage into any sewers, on the ground or into any water.

Collection , removal method and used materials of leaked chemicals

Collect and transfer to the appropriate labeled container.

Prevention measures that prevent secondary hazard

Avoid dust. Prevent further leaks or spillage under the safe feasible condition. Remove all fire.

7. Operation treatment and storage

Operation treatment

Ensure adequate ventilation especially in confined areas. Thoroughly clean after operation. Remove all fire. Do not eat, drink or smoke when using.

Storage

Keep container closed and placed in dry and ventilated place. Away from heat, sparks, fire and other fire.

8. Exposure controls/Personal protection

Exposure limit

N/A

Engineering control

Shower, eye machine. Use lacal exhaust ventilation. Ensure adequate ventilation especially in confined areas.

Individual protective equipment

Respiratory protection	Wear appropriate protective equipment if poorly ventilated.
Eye surface protection	No special technology protection measures
Skin and body protection	Wear appropriate protective clothing
Hand protection	No special technology protection measures

9.Physical and chemical properties

Appearance	Transparent liquid without suspended matter
Odor	Ether odor
Odor thresholds	N/A
pH	5.0-7.0
Melting point/freezing point	N/A
Boiling point/boiling range	N/A
Flash point	>100℃
Evaporation rate	N/A
Inflammability(Solid, gas)	nonflammable
explosion limits	N/A
Vapour pressure	N/A
Vapour density	N/A

Density	1.05±0.10 g/cm^3
Relative density	N/A
Water solubility	N/A
Partition coefficient (LogPow)	N/A
Autoignition temperature	N/A
Decomposition temperature	N/A
Kinematic viscosity	N/A
Dynamic viscosity	400-700 mPa.s(at 25℃)
Explosiveness	unexplosive
Oxidability	N/A

10. Stability and reactivity

Stability

Stable under normal conditions.

Risk response

Will not occur during normal processing.

Conditions should be avoided

Heat, flame and spark.

Prohibited content

N/A

Dangerous breakdown products

There won't be under normal use conditions.

11. Toxicological information

Acute toxicity

N/A

Corrosion/skin stimulation

No stimulation to skin

Serious eye injury/eye stimulation

No eye irritation.

Allergenic

No sensitization reaction was observed.

Germ cell mutagenicity

N/A

Carcinogenicity

N/A

Reproduction

N/A

STOT – single-contac

N/A

STOT – repeated contact

N/A

Inhalation hazard

N/A

12. Ecology information

Ecotoxicity

N/A

Persistence and degradability

N/A

Potential biological accumulating

N/A

Mobility in the soil

N/A

Other environmental harm

N/A

13. Disposal considerations

Waste disposal method

Waste residue/unused product	Waste disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Empty containers should be recycled, restored or disposed in the local

14. Transport information

UN number	Unregulated
Proper Shipping Name	Unregulated
Criticality category	Unregulated
Packaging group	Unregulated
Environmental harm	N/A
Special precautions	N/A

bulk transport according to the attachment of MARPOL and IBC N/A

15. Regulatory information

China

Component	IECSC	危险货物品名表	中国-危险化学品目录

Polymers of glycerol, propylene oxide and ethylene oxide 9003-11-6	X	-	-

International directory

Component	AICS	DSL/NDSL	EINECS/ELINCS	ENCS	KECL	PICCS	TSCA
Polymers of glycerol, propylene oxide and ethylene oxide 9003-11-6	X	X	X	X	X	X	X

"x" included

"-" not included

16. Other information

Revision note

Issuing date December 5, 2017

revision date June 14, 2019

Revision note N/A

The explanation or illustration of Acronyms and abbreviations used in safety data sheet

TWA - TWA（ Time-weighted average concentration）

STEL - STEL（Short-term exposure limits）

Ceiling - The biggest limit

TSCA - The toxic substances control act 8 (b) section list

DSL/NDSL - Canadian domestic substance list/non domestic listing

IECSC - Existing chemical list in China

EINECS/ELINCS - Existing chemicals list/ notified chemical list in Europe

ENCS -Existing and new chemical substance in Japan

KECL - Existing and assessed chemicals in Korea

NZIoC- Chemical list in New Zealand

PICCS - Chemicals and chemical substances list in Philippines

AICS - Chemicals list in Australia

References and data sources

ECHA: http://echa.europa.eu/

IFA GESTIS: http://gestisen.itrust.de/nxt/gateway.dll?f=templates$fn=default.htm$vid=gestiseng:sdbeng
HSDB: http://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm
ICSC: http://www.ilo.org/dyn/icsc/showcard.home
eChemPortal: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en
NITE-CHRIP: http://www.nite.go.jp/en/chem/chrip/chrip_search/srhInput

Disclaimer

According to the latest knowledge, information and ideas what we know, the provided information in this material safety data sheet is correct. The information provided is guide only for safe operation, use, processing, storage, transportation, disposal and emissions, not as a guarantee or quality specification.This information is only used to particular material, only may not apply to the substance combined with any other material or through any processing l, unless otherwise stated in the paper.

-------- End of material safety data sheet --------