



MATERIAL SAFETY DATA SHEET

SDS

- According to GHS(Seventh Revised Edition)

Lycra Protector DPP(Finishing Agent)

Section 1 Product and Company Identification

Product Identifier

Product Name: Lycra protector DPP (Finishing Agent)
Item No.: DPP
Product Use: Protecting the elasticity of the fabrics
Molecular Formula: $(C_{10}H_8N_2O_2 \cdot C_6H_{14}O_3)_X$

1.1 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Relevant identified uses: Please consult manufacturer
Uses advised against: Please consult manufacturer

1.2 Details of the supplier of the safety data sheet

Applicant Name: Guangzhou City DP New Material Technology Co, Ltd.
Application Address: Room 1201, Houhe Building, No.77 Zhongshan Road, Tianhe District, Guangzhou, China.
Applicant Post Code: 510510
Applicant Telephone: + 86-020 82318558
Applicant Fax: + 86-020-82318566
Applicant E-mail: dptrade@daeper.com
Supplier Name: Guangzhou City DP New Material Technology Co, Ltd.
Supplier Address: Room 1201, Houhe Building, No.77 Zhongshan Road, Tianhe District, Guangzhou, China.
Supplier Post Code: 510510
Supplier Telephone: + 86-020-82318558
Supplier Fax: + 86-020-82318566
Supplier E-mail: dptrade@daeper.com

1.3 Emergency Phone Number

Emergency Phone Number: + 86-020-82318558



Section 2 Hazards Identification

Hazard class and label elements of the product according to GHS (the seventh revised edition):

2.1 GHS Hazard Class

Corrosive To Metals	Category 1
Acute Toxicity- Oral	Category 5
Acute Toxicity-Dermal,Skin	Category 1
Corrosion/Irritation	
Sensitization - Skin	Category 3
Eye Damage/Irritation	Category 2B
Carcinogenicity	Category 1
Specific Target Organ	
Toxicity (Repeated Exposure)	Category 2
Hazardous To The Aquatic Environment	
- Short-Term (Acute) Hazard	Category 4

2.2 GHS Label Elements



Pictogram

Signal Word

Warning

2.3 Hazard Statements

H290	May be corrosive to metals
H302	Harmful if swallowed
H313	Maybe harmful in contact with skin
H316	Causes skin irritation
H317	May cause an allergic skin reaction
H320	Causes serious eye irritation
H373	May cause damage to organs through prolonged or repeated exposure
H413	Very toxic to aquatic life

2.4 Precautionary Statements

Prevention

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.



P234	Keep only in original packaging.
P260	Do not breathe dust/fume/gas/mist/vapour/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
Response	
P312	Call a poison center/doctor,if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth.
P390	Absorb spillage to prevent material damage.
P391	Collect spillage.
P301 +P312	If swallowed: Call a poison center/ doctor,if you feel unwell.
P302+P352	If on skin: Wash with plenty of water.
P308+P313	If exposed or concerned: Get medical advice/ attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
	If in eyes: Rinse cautiously with water for several minutes.
P305+P351+ P338	Remove Contact lenses, if present and easy to do. Continue rinsing.
Storage	
P405	Stored in sealed containers
Disposal	
P501	Dispose of contents/container in accordance with local/regional/national/ international regulations.

Section 3 Composition/Information on Ingredients

Component	Concentration(weight percent,%)	CAS No.
Polyurethane	35%	51852-81-4
Water	65%	7732-18-5



Section 4 First Aid Measures

4.1 Description of First Aid Measures

General Advice

Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.

Skin Contact

Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.

Ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

Inhalation

Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.

Protecting of First-aid

Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

4.2 Most Important Symptoms and Effects, both Acute and Delayed

Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

- 1 Treat symptomatically.
- 2 Symptoms may be delayed.

Section 5 Fire Fighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Dry chemical, carbon dioxide or alcohol-resistant foam.

Media

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter or spread fire.

5.2 Specific Hazards Arising from the Substance or Mixture

- 1 Fire may produce irritating, poisonous or corrosive gases.
- 2 Containers may explode when heated.



- 3 Fire exposed containers may vent contents through pressure relief valves.
- 4 May expansion or decompose explosively when heated or involved in fire.

5.3 Advice for Firefighters

- 1 As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent)and full protective gear.
- 2 Fight fire from a safe distance, with adequate cover.
- 3 Prevent fire extinguishing water from contaminating surface water or the ground water system.

Section 6 Accidental Release Measure

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

- 1 Ensure adequate ventilation. Remove all sources of ignition.
- 2 Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
- 3 Use personal protective equipment. Avoid breathing vapour, mist, gas or dust.

6.2 Environmental Precautions

- 1 Prevent further leakage or spillage if safe to do so.
- 2 Discharge into the environment must be avoided.

6.3 Methods and Materials for Containment and Cleaning Up

- 1 Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
- 2 Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
- 3 Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

Section 7 Handling and Storage

7.1 Precautions for Handling

- 1 Handling is performed in a well ventilated place.
- 2 Wear suitable protective equipment.
- 3 Avoid contact with skin and eyes.
- 4 Keep away from heat/sparks/open flames/ hot surfaces.
- 5 Take precautionary measures against static discharges.

7.2 Precautions for Storage

- 1 Keep containers tightly closed.
- 2 Keep containers in a dry, cool and well-ventilated place.
- 3 Keep away from heat/sparks/open flames/ hot surfaces.
- 4 Store away from incompatible materials and foodstuff containers.



Section 8 Exposure Controls/Personal Protection

8.1 Control Parameters

Occupational Exposure Limit Values No information available

Biological Limit Values No information available

Monitoring Methods

1 EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

2 GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air (Series standard).

8.2 Engineering Controls

1 Ensure adequate ventilation, especially in confined areas.

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

3 Use explosion-proof electrical/ventilating/lighting/equipment.

4 Set up emergency exit and necessary risk -elimination area.

8.3 Personal Protection Equipment

Eye Protection Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US).

Hand Protection Wear protective gloves (such as butyl rubber), passing the tests according to EN 374(EU),US F739 or AS/NZS 2161.1 standard.

Respiratory protection If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US)or type AXBEK (EN 14387) respirator cartridges.

Skin and Body Protection

Wear fire/flame resistant/retardant clothing and antistatic boots.

Section 9 Physical and Chemical Properties

Appearance: Pale yellow transparent liquid

Odor: No information available

Odor Threshold: No information available **pH:** 6.0-7.0

Melting Point/Freezing Point (°C): No information available

Initial Boiling Point and Boiling Range (C): No information available

Flash Point (°C)(Closed Cup): Not applicable

Evaporation Rate: Not applicable

Upper/lower explosive limits[% (v/v)]:



Upper limit :	No information available
Lower limit :	No information available
Flammability:	No information available
Vapor Pressure (MPa):	Not applicable
Relative Vapour Density(Air = 1):	Not applicable
Relative Density(Water=1):	1.02
Solubiity:	Miscible with water
n-Octanol/Water Partition Coefficient:	No information available
Auto-Ignition Temperature("C):	Not applicable
Decomposition Temperature (°C):	Not applicable
Kinematic Viscosity (mm2/s):	Not applicable
Particle characteristics:	No information available

Section 10 Stability and Reactivity

Reactivity: Contact with incompatible substances can cause decomposition or other chemical reactions.

Chemical Stability: Stable under proper operation and storage conditions.

Possibility of Hazardous Reactions: No information available

Conditions to Avoid: Incompatible materials, Acid ,Alkali and Strong oxidant .

Incompatible Materials: No information available

Hazardous Decomposition products: Under normal conditions of storage and use, hazardous,decomposition products should not be produced.

Section 11 Toxicological information

11.1 Acute Toxicity

Chemical name	CAS.No.	LD ₅₀ (Oral)	LD ₅₀ (Dermal)	LC ₅₀ (72hours)
Lycra protector DPP (Finishing Agent)		LD50: > 2000 mg/kg bw (OECD TG 401, 420)	Not irritation(OEC D TG 404)	LC50 (72 hours): >100mg aep/l (OECD 201,As per IC50 result)

11.2 Skin Corrosion/Irritation

Causes skin irritation(Category 3)

11.3 Serious Eye Damage/Irritation

Causes serious eye irritation(Category 2B)

11.4 Skin Sensitization

May cause an allergic skin reaction(Category 1)

11.5 Respiratory Sensitization

No information available

11.6 Germ Cell Mutagenicity

No information available



11.7 Carcinogenicity

No information available

11.8 Reproductive Toxicity

No information available

11.9 Reproductive Toxicity (Additional)

No information available

11.10 STOT-Single Exposure

No information available

11.11 STOT-Repeated Exposure

May cause damage to organs through prolonged or repeated exposure(Category 2)

11.12 Aspiration Hazard

No information available

Section 12 Toxicological information

12.1 Acute Aquatic Toxicity

Chemical name	Daphnia, acute	Algae, Acute	Acute toxicity
Lycra protector DPP (Finishing Agent)	EC50 (96 hours): >100mg aep/l (OECD TG 202)	IC50 (72 hours): >100mg aep/l (OECD 201)	LC50 (72 hours): >100mg aep/l (OECD 201,As per IC50 result)

12.2 Chronic Aquatic Toxicity

No information available

12.3 Persistence and Degradability

Chemical name	Persistence and degradability	Partition coefficient (n-octanol/water)	Bioaccumulative potential
Lycra protector DPP (Finishing Agent)	Readily Biodegradable (OECD 301E/F)	LogPow: <0	Does not bioaccumulate

Persistence and biodegradability

This product is biodegradable

12.4 Bioaccumulative Potential

No information available

12.5 Mobility in Soil

No information available

Results of PBT and vPvB Assessment

Not applicable



12.6

Section 13 Disposal Considerations

Waste Chemicals Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.

Contaminated Packaging Containers may still present chemical hazard when empty. Keep

away from hot and ignition source of fire. Return to supplier for recycling if possible.

Disposal Recommendations Refer to section 13.1 and 13.2.

Section 14 Transport information

Transporting Label: None

Marine Pollutant: Yes

UN Number: Not applicable

UN Proper Shipping Name: Not applicable

Transport Hazard Class: Not applicable

Transport Subsidiary Hazard Class: Not applicable

Packing Group: None

Road/railroad transportation ADR/RID:

Not classified as dangerous in the meaning of transport regulations

Sea carriage IMDG:

Not classified as dangerous in the meaning of transport regulations

Air transportation LCAO-TI and IATA-DGR:

Not classified as dangerous in the meaning of transport regulations

Section 15 Regulatory Information

International Chemical Inventory



Chemical name	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Lycra product DPP	√	√	√	√	√	√	√	√	√

【EINECS】 European Inventory of Existing Commercial Chemical Substances.

【TSCA】 United States Toxic Substances Control Act Inventory.

【DSL】 Canadian Domestic Substances List.

【IECSC】 China Inventory of Existing Chemical Substances.

【NZIoC】 New Zealand Inventory of Chemicals.

【PICCS】 Philippines Inventory of Chemicals and Chemical Substances.

【KECI】 Existing and Evaluated Chemical Substances.

【AICS】 Australia Inventory of Chemical Substances.

【ENCS】 Existing And New Chemical Substances.

Note

“√” Indicates that the substance included in the regulations

“×” That no data or included in the regulations

Section 16 Additional Information

Creation Date 2022/03/16

Revision Date 2022/03/16

Reason for Revision

Disclaimer

This Safety Data Sheet (SDS) was prepared according to GHS (the 7th revised edition). The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, This document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.