



# MATERIAL SAFETY DATA SHEET

## LYCRA PROTECT AGENT

### MERX

Rev.HSCHEM.D14 DATE MAY 2018

HUNAN HIGH SKY CHEMICAL CO., LTD.

RM 1905-1906, BLDG NO. 5 , NO.411, MID DONGJING ROAD, CHANGSHA, HUNAN PROVINCE , CHINA.

TEL: 86-731-85216605

Product Name : LYCRA PROTECT AGENT MERX

Physical State : LIQUID

Service Requested: Based on the information provided by the applicant, the Safety Data Sheet (SDS) was generated in accordance with requirements of Global Harmonized System (GHS), for details please refer to attached pages.

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

##### Product Identifier

Product name	LYCRA PROTECT AGENT MERX
Synonyms	Not Available
Other means of identification	Not Available

##### Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	For textile industry
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##### Details of the supplier of the safety data sheet

Supplier name	HUNAN HIGH SKY CHEMICAL CO., LTD.
Address	RM 1905-1906, BUILDING NO. 5 , NO.411, MID DONGJING ROAD, CHANGSHA CITY, HUNAN PROVINCE , CHINA.
Telephone	0086-731-85216605
Emergency telephone	0086-15399903255
Email	<a href="mailto:luocong419@hotmail.com">luocong419@hotmail.com</a>
Importer name	HAO HUA TRADING CO., LTD.
Address	12-14 LAND MARK (10TH FLOOR), GULSHAN-2,DHAKA-1212, BANGLADESH.
Telephone	01746622409
Email	<a href="mailto:brady@haohuabd.com">brady@haohuabd.com</a>

##### Emergency telephone number

Association / Organisation	HAO HUA TRADING CO., LTD.
Emergency telephone numbers	01746622409



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## SECTION 2 HAZARDS IDENTIFICATION

### Classification of the substance or mixture

<b>Classification</b>	Serious Eye Damage Category 1, Acute Aquatic Hazard Category 2, Chronic Aquatic Hazard Category 3, Skin Corrosion/Irritation Category 2
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*GHS08 health hazard*

Resp. Sens. 1 H334 May Cause Allergy or asthma symptoms or breathing difficulties if inhaled.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



*Xn; Sensitising*

R42: May cause sensitization by inhalation.



### Label elements

The product is classified and labelled according to the CLP regulation.

Hazard Pictograms



*GHS08 health hazard*

### Hazard-determining components of labelling:

#### Hazard statement(s)

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### Precautionary statement(s) Prevention

<b>P280</b>	Wear protective gloves/protective clothing/eye protection/face protection.
<b>P273</b>	Avoid release to the environment.



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#### Precautionary statement(s) Response

<b>P305+P351+P338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>P310</b>	Immediately call a POISON CENTER/doctor/physician/first aider.
<b>P302+P352</b>	IF ON SKIN: Wash with plenty of water and soap.
<b>P332+P313</b>	If skin irritation occurs: Get medical advice/attention.
<b>P362+P364</b>	Take off contaminated clothing and wash it before reuse.

#### Precautionary statement(s) Storage    Precautionary statement(s) Disposal

<b>P501</b>	Dispose of contents/container in accordance with local regulations.
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### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS    Substances    See section below for composition of

#### Mixtures    Mixtures

CAS No/ EINECS NO.	%[weight]	Name
68555-36-2	-	Polymer Quaternary Ammonium Polymer
7732-18-5	-	Water

### SECTION 4 FIRST AID MEASURES    Description of first aid measures

<b>Eye Contact</b>	If this product comes in contact with the eyes: Immediately hold eyelids apart and flush the eye continuously with running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
<b>Skin Contact</b>	If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
<b>Inhalation</b>	If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
<b>Ingestion</b>	Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

#### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5 FIREFIGHTING MEASURES

**Extinguishing media**    Use extinguishing media suitable for surrounding area.

#### Special hazards arising from the substrate or mixture

<b>Fire Incompatibility</b>	None known.
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#### Advice for firefighters



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#### Protective Equipment:

Wear Fully Protective Suit

Mouth Respiratory Protective Device.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

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

See section 8 **Environmental precautions**

See section 12 **Methods and material for containment and cleaning up**

<b>Minor Spills</b>	Environmental hazard - contain spillage. Clean up all spills immediately. Avoid breathing dust and contact with skin and eyes. Wear protective clothing, gloves, safety glasses and dust respirator.
<b>Major Spills</b>	Environmental hazard - contain spillage. Moderate hazard. <b>CAUTION:</b> Advise personnel in area. Alert Emergency Services and tell them location and nature of hazard.

Personal Protective Equipment advice is contained in Section 8 of the MSDS

## SECTION 7 HANDLING AND STORAGE

#### Precautions for safe handling

<b>Safe handling</b>	Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area.
<b>Other information</b>	Store in original containers. Keep containers securely sealed. Store in a cool, dry area protected from environmental extremes. Store away from incompatible materials and foodstuff containers.

#### Conditions for safe storage, including any incompatibilities

<b>Suitable container</b>	Lined metal can, lined metal pail/ can. Plastic pail. Polyliner drum.
<b>Storage incompatibility</b>	Store away from foodstuffs.

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters** Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical value that have to be monitored at the workplace

**DNELs:** Data not available

**PNECs:** Data not available

#### EMERGENCY LIMITS Exposure controls

<b>Appropriate engineering controls</b>	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk.
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Personal protection	   
Eye and face protection	Safety glasses with side shields. Chemical goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.

Skin protection	See Hand protection below
Hands/feet protection	The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice. Experience indicates that the following polymers are suitable as glove materials for protection against undissolved, dry solids, where abrasive particles are not present. polychloroprene. nitrile rubber.
Body protection	See Other protection below
Other protection	Overalls. P.V.C. apron.
Thermal hazards	Not Available

Respiratory protection Particulate. (AS/NZS 1716 & 1715, EN 143:2000 & 149:001, ANSI Z88 or national equivalent)

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES Information on basic physical and chemical properties

Appearance	Yellow liquid
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Physical state	Liquid Relative density (Water = 1)	Not Available
Odour	Slight Irritating odor	Not Available
Odour threshold	Not Available Auto-ignition temperature (°C)	Not Available
pH (as supplied)	6 ~ 6.5 Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available Molecular weight (g/mol)	Not Available
Flash point (°C)	Not Available Taste	Not Available
Evaporation rate	Not Available Explosive properties	Not Available
Flammability	Not Flammable Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available Surface Tension (dyn/cm or mN/m)	Not Applicable



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Lower Explosive Limit (%)	Not Available <b>Volatile Component (%vol)</b>	Not Available
Vapour pressure (kPa)	Not Available <b>Gas group</b>	Not Available
Solubility in water (g/L)	Soluble <b>pH as a solution (1%)</b>	Not Available
Vapour density (Air = 1)	Not Available <b>VOC g/L</b>	Not Available

## SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	Product is considered stable and hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	Strong oxidizing agents, strong acid and strong base
Hazardous decomposition products	See section 5

## SECTION 11 TOXICOLOGICAL INFORMATION

### Information on toxicological effects

Inhaled	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.
Ingestion	The material has <b>NOT</b> been classified by EC Directives or other classification systems as 'harmful by ingestion'. This is because of the lack of corroborating animal or human evidence.
Skin Contact	This material can cause inflammation of the skin on contact in some persons. The material may accentuate any pre-existing dermatitis condition. Skin contact is not thought to have harmful health effects (as classified under EC Directives); the material may still produce health damage following entry through wounds, lesions or abrasions.
Eye	If applied to the eyes, this material causes severe eye damage.

### Acute Toxicity

LD/LC50 Vaules relevant for classification:

Polymer Quaternary Ammonium Salt Polymer

Oral LD50 11060 mg/kg (mouse)

6110 mg/kg (rat)



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Primary irritant effect

On the Skin: Irritating effect possible.

On the eye: Irritating effect possible.

Sensitization:

Sensitization possible

Sensitization possible through inhalation

Toxicokinetics, metabolism and distribution: No further relevant information available

Acute effects (Acute toxicity, irritation and corrosivity): No further relevant information available

Repeated dose toxicity: No further relevant information available.

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## **SECTION 12 ECOLOGICAL INFORMATION**

### **Toxicity**

Aquatic Toxicity: No further relevant information available

Persistence and degradability: No further relevant information available.

Behaviour in environmental systems

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information:

General Notes:

Water hazard class I (German regulation) (Self-assessment): Slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

Other adverse effects: No further relevant information available.

## **SECTION 13 DISPOSAL CONSIDERATIONS Waste treatment methods**

<b>Product / Packaging disposal</b>	Recycle wherever possible or consult manufacturer for recycling options. Consult State Land Waste Management Authority for disposal. Bury residue in an authorised landfill.
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## **SECTION 14 TRANSPORT INFORMATION Labels Required**

<b>Marine Pollutant</b>	NO
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Land transport (UN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code: Not Applicable



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## **SECTION 15 REGULATORY INFORMATION**

**Safety, health and environmental regulations / legislation specific for the substance or mixture**

## **SECTION 16 OTHER INFORMATION**

**Other information** The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios.

### **Definitions and abbreviations**

PC - TWA: Permissible Concentration-Time Weighted Average

PC - STEL: Permissible Concentration-Short Term Exposure Limit

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

STEL: Short Term Exposure Limit

TEEL: Temporary Emergency Exposure Limit.

IDLH: Immediately Dangerous to Life or Health Concentrations

OSF: Odour Safety Factor

NOAEL :No Observed Adverse Effect Level

LOAEL: Lowest Observed Adverse Effect Level

TLV: Threshold Limit Value LOD: Limit Of Detection

OTV: Odour Threshold Value

BCF: BioConcentration Factors

BEI: Biological Exposure Index

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**End of document**