

EC Certificate Production Quality Assurance System: Certificate CN19/41095

The management system of

# Ningbo Chinmed Technology Co., Ltd.

No. 20 Xingzhong Rd, Qijjashan Street, Beilun Area, Ningbo  
Zhejiang Province, 315803, P.R. China

has been assessed and certified as meeting the requirements of

## Directive 93/42/EEC

on medical devices, Annex V

Restricted to the aspects of manufacture concerned with securing and  
maintaining sterile conditions

For the following products

**Sterile medical surgical drapes, sterile medical tapes**

Where the above scope includes class IIb or class III medical device(s), a valid EC Type Examination Certificate according to Annex III is a mandatory requirement for each device in addition to this certificate to place that device on the market.

This certificate is valid from 16 December 2019 until 18 January 2023  
and remains valid subject to satisfactory surveillance audits.

Issue 1. Certified since 18 January 2012  
and first certified by SGS Belgium NV since 16 December 2019

Certification is based on reports numbered CN/HGH/ 5478

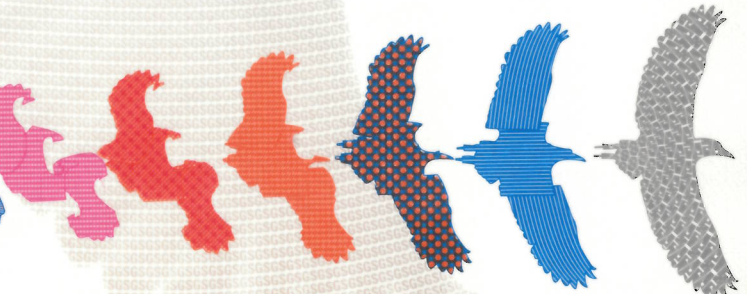
Authorised by

**SGS Belgium NV, Notified Body 1639**

SGS House Noorderlaan 87 2030 Antwerp Belgium  
t +32 (0)3 545-48-48 f +32 (0)3 545-48-49 www.sgs.com

LPMD5008 - Certificate CE1639 AnnexV\_EN rev. 01

Page 1 of 1



EC Certificate Full Quality Assurance System: Certificate CN19/41094

The management system of

# Ningbo Chinmed Technology Co., Ltd.

No. 20 Xingzhong Rd, Qijashan Street, Beilun Area, Ningbo,  
Zhejiang Province, 315803, P.R. China

has been assessed and certified as meeting the requirements of

## Directive 93/42/EEC on medical devices, Annex II (excluding Section 4)

For the following products

**Sterile hydrocolloid dressings, sterile wound dressings**

Where the above scope includes class III medical device(s), a valid EC Design Examination Certificate according to Annex II (Section 4) is a mandatory requirement for each device in addition to this certificate to place that device on the market.

This certificate is valid from 16 December 2019 until 18 January 2023  
and remains valid subject to satisfactory surveillance audits.

Issue 1. Certified since 07 December 2015  
and first certified by SGS Belgium NV since 16 December 2019

Certification is based on reports numbered CN/HGH 5478

Authorised by

**SGS Belgium NV, Notified Body 1639**

SGS House Noorderlaan 87 2030 Antwerp Belgium  
t +32 (0)3 545-48-48 f +32 (0)3 545-48-49 www.sgs.com

LPMD5007 - Certificate CE1639 Annex II-4\_EN rev. 02

Page 1 of 1



# Ningbo Chinmed Technology CO., LTD

## Material Safety Data Sheet

### 1. PRODUCT AND COMPANY INFORMATION:

Product name: Transparent dressing  
Product specifications: 6cm×7cm, 7cm×10cm, 10cm×12cm, 10cm×15cm, 10cm×25cm, 15cm×20cm  
Implementation Date: 13/12/2010  
Company: Ningbo Chinmed Technology CO., LTD  
Address: Room 910, Wanjin Buliding, No.892 Baizhang Road(E),Jiangdong Area, Ningbo, China.  
Preparer: Health, Safety, and Environmental Department  
Product description: Pharmaceutical/Nutritional applications

### 2. INTENDED USES:

Wound Dressings, Incise Drapes and I.V Cannula Dressings.

### 3. COMPOSITION:

Polyurethane film spread with an adhesive, protected by a release coated paper.

### 4. PHYSICAL AND CHEMICAL PROPERTIES:

Combustible solid.

### 5. HAZARD INFORMATION:

Health Effects: No health hazard is anticipated during normal handling of this product.

### 6. FIRST AID:

- a) Inhalation - Not applicable.
- b) Contact with skin - Not applicable.
- c) Contact with eyes - Not applicable.
- d) Ingestion - Not applicable.

### 7. FIRE AND EMERGENCY MEASURES:

The product is a combustible solid which gives off toxic fumes, mainly carbon monoxide, carbon dioxide and hydrogen cyanide, when ignited. In case of fire any standard fire extinguisher may be used; wear self-contained breathing apparatus.

### 8. ACCIDENTAL RELEASE MEASURES:

Not applicable.

### 9. HANDLING AND STORAGE PRECAUTIONS:

Store in a cool, dry place. Keep away from sources of ignition.

Authorized Signature(s)

For and on behalf of

宁波市诚德医疗科技有限公司

NINGBO CHINMED TECHNOLOGY CO.,LTD.



Authorized Signature(s)

**10. EXPOSURE CONTROLS/PERSONAL PROTECTION:**

Not applicable.

**11. STABILITY AND REACTIVITY:**

Not applicable.

**12. TOXICOLOGICAL INFORMATION:**

See information given in Hazard Information: Health Effects.

**13. ECOLOGICAL INFORMATION:**

Not applicable.

**14. DISPOSAL:**

Controlled incineration/landfill according to local environmental health guidelines.

**15. TRANSPORT PRECAUTIONS:**

See Handling and storage precautions.

**16. REGULATORY INFORMATION:**

Not applicable.

**17. ADDITIONAL INFORMATION:**

Not applicable.

**USERS RESPONSIBILITY/DISCLAIMER OF LIABILITY**

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This bulletin cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. It is your responsibility to develop appropriate work practice guidelines and employee instructional programs for your operation.

and on behalf of  
NINGBO CHINMED TECHNOLOGY CO., LTD.

  
Authorized Signature(s)

Progressivo di sistema attribuito al Dispositivo	Fabbricante	Codice attribuito dal fabbricante (identificativo catalogo)	Nome commerciale e modello	Classificazione CND	Stato del Dispositivo	Data Fine Commercio	Selezione <input type="checkbox"/>
1338731/R	NINGBO CHINMED TECHNOLOGY CO. LTD	CM10003	DERMALIZE PRO - PROTECTIVE TATTOO FILM	M04010102 - MEDICAZIONI IN POLIURETANO O ALTRO MATERIALE PLASTICO ADESIVO CON COMPRESSA ASSORBENTE	P		<input type="checkbox"/>
1338737/R	NINGBO CHINMED TECHNOLOGY CO. LTD	CM2004	DERMALIZE - PROTECTIVE TATTOOFILM	M04010102 - MEDICAZIONI IN POLIURETANO O ALTRO MATERIALE PLASTICO ADESIVO CON COMPRESSA ASSORBENTE	P		<input type="checkbox"/>

# The Declaration of Conformity

Manufacturer: Ningbo Chinmed Technology Co.,Ltd  
Address: NO. 20 Xingzhong Road, Qijiashan Street, Beilun Area, Ningbo, Zhejiang Province, 315803, P.R.China  
European Representative: SUNGO Europe B.V.  
Address: Olympisch Stadion 24 1076DE Amsterdam, Netherlands  
Product Name: Transparent film dressing  
Size Descriptions: (mm): 100x150, 50x1000, 100x1000, 150x1000; 200x1000; special sizes based on customers' request.  
UMDNS code: 17-428  
Classification: Class I, medical device  
Conformity Assessment Route: Annex VII of MDD 93/42/EEC, it bears the mark



We hereby declare that the above mentioned product meets the transportation into National Law, the provisions of the following EC Council Directives and Standards. All supporting documentations are retained under the premises of the manufacturer.

Directives:

General Applicable Directives:

Medical Device Directives: COUNCIL DIRECTIVE 93/42/EEC of 5 Sep.2007 concerning medical devices.(MDD 93/42/EEC)

Standards Applied: all applicable standards.

Notified Body: SGS United Kingdom Ltd.

(EC) Certificates: CN15/20782

Expire date of the Certificates: 18<sup>th</sup>, Jan, 2021

Start of CE marking: 18<sup>th</sup>,January,2012

Date of Issue: 2020/10/9

Signature: *For and on behalf of*  
宁波市诚德医疗科技有限公司  
NINGBO CHINMED TECHNOLOGY CO.,LTD.

Name: *[Handwritten Signature]*  
Position: Quality manager  
*Authorized Signature(s)*



## Safety Data Sheet according to GB/T 16483-2008

Page 1 of 13 .

LOCTITE DURO-TAK 3765 known as DURO-TAK 3765 180KG

SDS No. : 411923

V001.5

Revision: 01.06.2016

printing date: 14.12.2016

### 1. Identification of the substance/preparation and of the company/undertaking

**Product name:** LOCTITE DURO-TAK 3765 known as DURO-TAK 3765 180KG

**Intended use:** acrylic polymer for PSA

**Company name:**

Henkel (China) Investment Co. Ltd.  
No.928 Zhangheng Rd.  
201203 Pudong, Shanghai, P.R. China

China

Phone: +86-21-2891 8000

Fax-no.: +86-21-2891 5137

**Revision date:** 01.06.2016

**Emergency information:** Emergency telephone: +86 532 8388 9090 (24h).

### 2. Hazards identification

**Classification of the substance or mixture according to GB 13690-2009 (General rule for classification and hazard communication of chemicals):**

<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Target organ</u>
Flammable liquids	Category 2	
Skin corrosion/irritation	Category 2	
Serious eye damage/eye irritation	Category 2A	
Specific target organ toxicity - single exposure	Category 3	Central Nervous System
Aspiration hazard	Category 1	
Acute hazards to the aquatic environment	Category 3	
Chronic hazards to the aquatic environment	Category 3	

**Label elements according to GB 15258-2009 (General rules for preparation of precautionary label for chemicals):**

**Hazard pictogram:**



**Signal word:** Danger

---

<b>Hazard statement:</b>	H225 Highly flammable liquid and vapor. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H412 Harmful to aquatic life with long lasting effects.
<b>Prevention:</b>	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting/equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves, eye protection, and face protection.
<b>Response:</b>	P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P331 Do NOT induce vomiting. P332+P313 If skin irritation 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. P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
<b>Storage:</b>	P403+P233 Store in a well-ventilated place. Keep container tightly closed. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.
<b>Disposal:</b>	P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.



**3. Composition / information on ingredients**

**General description:** Mixture  
**Declaration of the ingredients according to GB 13690-2009:**

Hazard component CAS-No.	Content	GHS Classification
Ethyl acetate 141-78-6	10- < 20 %	Flammable liquids 2 H225 Serious eye damage/eye irritation 2A H319 Specific target organ toxicity - single exposure 3 H336
Propan-2-ol 67-63-0	10- < 20 %	Flammable liquids 2 H225 Serious eye damage/eye irritation 2A H319 Specific target organ toxicity - single exposure 3 H336
Naphtha, hydrotreated light, <0,1% benzene 64742-49-0	10- < 20 %	Flammable liquids 2 H225 Skin corrosion/irritation 2 H315 Specific target organ toxicity - single exposure 3 H336 Aspiration hazard 1 H304 Acute hazards to the aquatic environment 2 H401 Chronic hazards to the aquatic environment 2 H411
Toluene 108-88-3	1- < 10 %	Flammable liquids 2 H225 Skin corrosion/irritation 2 H315 Toxic to reproduction 2 H361 Specific target organ toxicity - single exposure 3 H336 Specific target organ toxicity - repeated exposure 2 H373 Aspiration hazard 1 H304 Acute hazards to the aquatic environment 2 H401 Chronic hazards to the aquatic environment 3 H412
Vinyl acetate 108-05-4	0.1- < 1 %	Flammable liquids 2 H225 Acute toxicity 5; Oral H303 Acute toxicity 4; Inhalation H332 Carcinogenicity 2 H351 Specific target organ toxicity - single exposure 3 H335 Acute hazards to the aquatic environment 3 H402 Chronic hazards to the aquatic environment 3 H412
Butyl acrylate 141-32-2	0.1- < 1 %	Flammable liquids 3 H226 Acute toxicity 4; Inhalation H332 Skin corrosion/irritation 2 H315 Serious eye damage/eye irritation 2A H319 Skin sensitizer 1 H317 Specific target organ toxicity - single exposure 3 H335 Acute hazards to the aquatic environment 2

		H401 Chronic hazards to the aquatic environment 3 H412
--	--	--

Only hazardous ingredients for which a classification according to GB 13690-2009 is already available are displayed in this table. For full text of the Hazard statements see section 16 "Other information".

#### 4. First aid measures

<b>Skin contact:</b>	Immediately remove soiled or soaked clothing. Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.
<b>Eye contact:</b>	Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.
<b>Inhalation:</b>	Move to fresh air. Keep warm and in a quiet place. Administer oxygen or artificial respiration as needed. Seek medical attention from a specialist.
<b>Ingestion:</b>	Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor. Seek medical advice immediately and show this container or label.

#### 5. Fire fighting measures

<b>Hazardous characteristics:</b>	Flammable Liquid.
<b>Hazardous combustion products:</b>	carbon monoxide Carbon dioxide Irritating vapors.
<b>Extinguishing media:</b>	Foam, extinguishing powder, carbon dioxide. Fine water spray
<b>Notice and measures for fire fighting:</b>	Keep unnecessary personnel away. Wear full protective clothing. Wear self-contained breathing apparatus.

#### 6. Accidental release measures

<b>Emergency measures:</b>	Danger of slipping on spilled product. Keep unprotected persons away. Inform authorities in the event of product spillage to water courses or sewage systems. Wear protective equipment. Avoid contact with skin and eyes. See advice in section 8
<b>Clean-up methods:</b>	Remove with liquid-absorbing material (sand, peat, sawdust). Do not empty into drains / surface water / ground water. Dispose of contaminated material as waste according to Section 13.

#### 7. Handling and storage

- Notice for handling:** Ensure good ventilation/suction at the workplace.  
Avoid open flames and sources of ignition.  
Wear suitable protective clothing, safety glasses and gloves.  
Take measures to prevent the build-up of electrostatic charges.  
Avoid skin and eye contact.  
Use explosion-proof equipment.  
When using do not eat, drink or smoke.  
Keep out of the reach of children.  
See advice in section 8
- Notice for storage:** Ensure that storage and workrooms are adequately ventilated.  
Keep container tightly sealed.  
Store in a cool, dry place.  
Do not store near sources of heat or ignition, or reactive materials.  
Protect from direct sunlight.  
Take precautionary measures against static discharges during storage and transport.  
Temperatures between + 5 °C and + 35 °C

### 8. Exposure controls / personal protection

Hazardous components	GBZ 2.1-2007	ACGIH	NIOSH	OSHA
Ethyl acetate	200 mg/m <sup>3</sup> PC-TWA 300 mg/m <sup>3</sup> PC-STEL	400 ppm TWA		none
Propan-2-ol	350 mg/m <sup>3</sup> PC-TWA 700 mg/m <sup>3</sup> PC-STEL	200 ppm TWA 400 ppm TWA		none
Toluene	50 mg/m <sup>3</sup> PC-TWA 100 mg/m <sup>3</sup> PC-STEL (SKIN)	20 ppm TWA		none
Vinyl acetate	10 mg/m <sup>3</sup> PC-TWA 15 mg/m <sup>3</sup> PC-STEL	10 ppm TWA 15 ppm TWA		none
Butyl acrylate	25 mg/m <sup>3</sup> PC-TWA	2 ppm TWA		none

- Engineering controls:** Ensure good ventilation/extraction.  
Prevent electrostatic charge build-up by using common bonding and grounding techniques.  
Explosion-proof exhaust devices are required.  
Avoid naked flames, sparking and sources of ignition.

### 9. Physical and chemical properties

Physical state:	liquid	Appearance:	Colorless liquid
<b>pH:</b>	Not available.	Melting point:	Not available.
Boiling point:	> 60 °C (> 140 °F)	Density:	0.9 g/cm <sup>3</sup>
Flash point:	-4 °C (24.8 °F)	Ignition temperature:	> 260 °C (> 500 °F)
Solubility in water	Not available.	Viscosity:	1,500 - 4,000 cp

### 10. Stability and reactivity

- Stability:** Stable under recommended storage conditions.

<b>Conditions to avoid:</b>	Keep away from heat, ignition sources and incompatible materials.
<b>Incompatible products:</b>	Strong acids, alkalis and oxidizing agents.
<b>Decomposition products:</b>	No decomposition if used according to specifications.
<b>Hazardous polymerization:</b>	None under normal processing.

## 11. Toxicological information

### General toxicological information:

To the best of our knowledge no harmful effects are to be expected if the product is handled and used properly.

#### Oral toxicity:

Acute toxicity estimate (ATE) : > 5,000 mg/kg

Method: Calculation method

#### Inhalative toxicity:

Acute toxicity estimate (ATE) : > 40 mg/l

Exposure time: 4 h

Test atmosphere: Vapor.

Method: Calculation method

#### Dermal toxicity:

Acute toxicity estimate (ATE) : > 5,000 mg/kg

Method: Calculation method

#### Other remarks:

Not available.

#### Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method	
Ethyl acetate 141-78-6	LD50	6,100 mg/kg	oral	1 h	rat	Draize Test	
	LC50	200 mg/l	inhalation		rat		
	LD50	> 20,000 mg/kg	dermal		rabbit		
Propan-2-ol 67-63-0	LD50	5,840 mg/kg	oral	4 h	rat	OECD Guideline 401 (Acute Oral Toxicity)	
	LC50	72.6 mg/l	inhalation		rat		
	LD50	12,870 mg/kg	dermal		rabbit		
Toluene 108-88-3	LD50	5,580 mg/kg	oral	4 h	rat		Expert judgement
	LC50	28.1 mg/l	inhalation		rat		
	LD50	> 5,000 mg/kg	dermal		rabbit		
Vinyl acetate 108-05-4	LD50	3,500 mg/kg	oral	4 h	rat	Expert judgement	
	Acute toxicity estimate (ATE)	11.27 mg/l	inhalation		rat		
	LC50	4490 ppm	inhalation		rabbit		
	LD50	7,440 mg/kg	dermal		rabbit		
Butyl acrylate 141-32-2	LC50	10.3 mg/l	inhalation	4 h	rat	BASF Test	

**Skin corrosion/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Ethyl acetate 141-78-6	slightly irritating	24 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Propan-2-ol 67-63-0	slightly irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Toluene 108-88-3	irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Vinyl acetate 108-05-4	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Butyl acrylate 141-32-2	irritating		rabbit	BASF Test

**Serious eye damage/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Ethyl acetate 141-78-6	slightly irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Propan-2-ol 67-63-0	moderately irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Vinyl acetate 108-05-4	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Respiratory or skin sensitization:**

Hazardous components CAS-No.	Result	Test type	Species	Method
Ethyl acetate 141-78-6	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Propan-2-ol 67-63-0	not sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Vinyl acetate 108-05-4	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

**Germ cell mutagenicity:**

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Ethyl acetate 141-78-6	negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian chromosome aberration test	with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Ethyl acetate 141-78-6	negative	oral: gavage		hamster, Chinese	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Propan-2-ol 67-63-0	negative with metabolic activation	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Propan-2-ol 67-63-0	negative	intraperitoneal		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Toluene 108-88-3	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		
Vinyl acetate 108-05-4	negative with metabolic activation	bacterial reverse mutation assay (e.g Ames test)	with		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Vinyl acetate 108-05-4	ambiguous	intraperitoneal		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Butyl acrylate 141-32-2	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		

**Repeated dose toxicity:**

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Ethyl acetate 141-78-6	NOAEL=900 mg/kg	oral: gavage	90 ddaily	rat	EPA OTS 795.2600 (Subchronic Oral Toxicity Test)
Ethyl acetate 141-78-6	NOAEL=1.28 mg/l	inhalation	94 dcontinuous	rat	EPA OTS 798.2450 (90-Day Inhalation Toxicity)
Propan-2-ol 67-63-0		inhalation: vapour	at least 104 w6 h/d, 5 d/w	rat	
Vinyl acetate 108-05-4	NOAEL=5000 ppm	oral: drinking water	3 mdaily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Vinyl acetate 108-05-4		inhalation: vapour	6 h104 w	rat	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
Butyl acrylate 141-32-2	NOAEL=21 ppm	inhalation	13 weeks6 h/d, 5d/w	rat	BASF Test

**12. Ecological information****General ecological information:**

Do not empty into drains, soil or bodies of water.

Toxic to aquatic organisms

May cause long-term adverse effects in the aquatic environment.

**Ecotoxicity:**

No data available.

**Other adverse effects:**  
Not Available.

**Toxicity:**

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Ethyl acetate 141-78-6	LC50	270 mg/l	Fish	48 h	Leuciscus idus melanotus	DIN 38412-15
Ethyl acetate 141-78-6	EC50	164 mg/l	Daphnia	48 h	Daphnia cucullata	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Ethyl acetate 141-78-6	EC50	> 2,000 mg/l	Algae	96 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Ethyl acetate 141-78-6	NOEC	2,000 mg/l	Algae	96 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Ethyl acetate 141-78-6	EC10	2,900 mg/l	Bacteria	18 h		
Propan-2-ol 67-63-0	LC50	> 9,640 - 10,000 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Propan-2-ol 67-63-0	EC50	> 1,000 mg/l	Algae	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Propan-2-ol 67-63-0	NOEC	1,000 mg/l	Algae	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Propan-2-ol 67-63-0	EC 50	> 1,000 mg/l	Bacteria	3 h		OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Naphtha, hydrotreated light, <0,1% benzene 64742-49-0	LC50	> 1 - 10 mg/l	Fish			OECD Guideline 203 (Fish, Acute Toxicity Test)
Naphtha, hydrotreated light, <0,1% benzene 64742-49-0	EC50	3 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Naphtha, hydrotreated light, <0,1% benzene 64742-49-0	EC50	> 1 - 10 mg/l	Algae			OECD Guideline 201 (Alga, Growth Inhibition Test)
Toluene 108-88-3	NOEC	3.2 mg/l	Fish	28 d	Cyprinodon variegatus	OECD Guideline 204 (Fish, Prolonged Toxicity Test: 14-day Study)
Toluene 108-88-3	LC50	5.5 mg/l	Fish	96 h	Oncorhynchus kisutch	OECD Guideline 203 (Fish, Acute Toxicity Test)
Toluene 108-88-3	EC50	11.5 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Toluene 108-88-3	IC50	12 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Toluene 108-88-3	NOEC	29 mg/l	Bacteria	16 h	Pseudomonas putida	DIN 38412, part 8 (Pseudomonas Zellvermehrungshe mm-Test)
Vinyl acetate 108-05-4	LC50	26 mg/l	Fish	48 h	Leuciscus idus melanotus	OECD Guideline 203 (Fish, Acute Toxicity Test)
Vinyl acetate 108-05-4	NOEC	0.551 mg/l	Fish	34 d	Pimephales promelas	OECD 210 Guideline (fish early lite stage toxicity test)

Vinyl acetate 108-05-4	EC50	12.6 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Vinyl acetate 108-05-4	NOEC	1.58 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Vinyl acetate 108-05-4	EC50	12.7 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Butyl acrylate 141-32-2	LC50	5.2 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Butyl acrylate 141-32-2	EC50	8.2 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Butyl acrylate 141-32-2	EC50	5.5 mg/l	Algae	96 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)

**Persistence and degradability:**

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Ethyl acetate 141-78-6	readily biodegradable	aerobic	100 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Propan-2-ol 67-63-0	readily biodegradable	aerobic	70 - 84 %	EU Method C.4-E (Determination of the "Ready" Biodegradability) Closed Bottle Test)
Naphtha, hydrotreated light, <0,1% benzene 64742-49-0	readily biodegradable	aerobic	89 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Toluene 108-88-3	readily biodegradable	aerobic	80 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Vinyl acetate 108-05-4	readily biodegradable	aerobic	82 - 98 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))
Butyl acrylate 141-32-2	readily biodegradable	aerobic	80 - 90 %	OECD Guideline 310 (Ready Biodegradability) CO <sub>2</sub> in Sealed Vessels (Headspace Test)

**Bioaccumulative potential / Mobility in soil:**

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
---------------------------------	--------	-------------------------------	---------------	---------	-------------	--------



Ethyl acetate 141-78-6	0.6					OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Propan-2-ol 67-63-0	0.05					OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Naphtha, hydrotreated light, <0,1% benzene 64742-49-0	4 - 5.7					OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Toluene 108-88-3		90	3 d	Leuciscus idus melanotus		OECD Guideline 305 (Bioconcentration: Flow- through Fish Test)
Toluene 108-88-3	2.73				20 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Vinyl acetate 108-05-4		3.16		fish		
Vinyl acetate 108-05-4	0.73				25 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Butyl acrylate 141-32-2	2.38				25 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

### 13. Disposal considerations

**Product disposal:**

If the waste is classified as hazardous waste according to GB 5085.7-2007 (Identification standards for hazardous wastes, General Specifications). Dispose of as hazardous waste in compliance with "Regulation on the Safety Management of Hazardous Chemicals", "Law of the People's Republic of China on the prevention and control of Environmental Pollution by Solid Waste", "National Catalogue of Hazardous Waste".

**Disposal of uncleaned packages:**

Disposal must be made according to official regulations.

### 14. Transport information

**Road transport ADR:**

Class: 3  
Packing group: II  
Classification code: F1  
Hazard ident. number: 33  
UN no.: 1133  
Label: 3  
Technical name: ADHESIVES  
Additional information: Special provision 640D

**Railroad transport RID:**

Class:	3
Packing group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1133
Label:	3
Technical name:	ADHESIVES
Additional information:	Special provision 640D

**Marine transport IMDG:**

Class:	3
Packing group:	II
UN no.:	1133
Label:	3
EmS:	F-E ,S-D
Seawater pollutant:	-
Proper shipping name:	ADHESIVES

**Air transport IATA:**

Class:	3
Packing group:	II
Packaging instructions (passenger):	353
Packaging instructions (cargo):	364
UN no.:	1133
Label:	3
Proper shipping name:	Adhesives

**Notice For Transportation:**

Transport according to local and national regulations. Ensure containers will not leak, collapse, or being damaged when transported. DO NOT transport with incompatible materials. Transportation vehicle should be equipped with right fire-fighting equipment in case of emergency. Avoid solarization, drenched and high temperature when transported.

**15. Regulatory information**

The following laws and regulations lay down provisions in terms of chemicals safety use, storage, transportation, loading/unloading, classification as well as symbol.

“Law of the People's Republic of China on Work Safety” (Adopted by the 28th meeting of 9th NPC standing committee on 29th June 2002, revised by 10th meeting of 12nd NPC standing committee on 31st Aug 2014).

“Law of the People's Republic of China on the Prevention and Treatment of Occupational Diseases” (Adopted by the 24th meeting of 9th NPC standing committee on 27th October 2001, revised by 24th meeting of 11st NPC standing committee on 31st Dec 2011).

“Law of the People's Republic of China on environmental protection” (Adopted by 11st meeting of 7th NPC standing committee on 26th December 1989, revised by 8th meeting of 12nd NPC standing committee on 24th Apr 2014).

“Regulation on the Safety Management of Hazardous Chemicals” (Adopted by 144th State Council executive meeting on 16th February 2011).

“Regulations on License to Work Safety” (Adopted by 54th State Council executive meeting on 29th July 2014).

**China Inventory of Existing Chemicals:  
Compliance with RoHS.**

All components are listed or are exempt from Inventory of Existing Chemical Substances in China.

## 16. Other information

<b>Issue date:</b>	14.12.2016
<b>Issue department:</b>	Rainy Wu, Product Safety & Regulatory Affairs Specialist for Greater China
<b>Disclaimer:</b>	This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.
<b>Others:</b>	<p><b>The full text of all abbreviations indicated by codes in this safety data sheet section 3 are as follows:</b></p> <p>H225 Highly flammable liquid and vapor. H226 Flammable liquid and vapor. H303 May be harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H351 Suspected of causing cancer. H361 Suspected of damaging fertility or the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H401 Toxic to aquatic life. H402 Harmful to aquatic life. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.</p>