



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

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LOCTITE DURO-TAK 129A known as DURO-TAK 180-129A

SDS No. : 411957

V001.6

Revision: 06.06.2016

printing date: 02.08.2017

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

**Product name:** LOCTITE DURO-TAK 129A known as DURO-TAK 180-129A

**Intended use:** All-purpose adhesive

**Company name:**

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

China

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**Revision date:** 06.06.2016

**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 2	
Chronic hazards to the aquatic environment	Category 2	

**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. H411 Toxic 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. P391 Collect spillage.
<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.

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

**Hazard pictogram:**



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<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
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
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
n-Heptane 142-82-5	1- < 10 %	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 1 H400 Chronic hazards to the aquatic environment 1 H410
Naphtha, hydrotreated light, <0,1% benzene 64742-49-0	1- < 10 %	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
Methylcyclohexane 108-87-2	1- < 10 %	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

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 combustion products:</b>	carbon monoxide Carbon dioxide Irritating vapors.
<b>Extinguishing media:</b>	Foam, extinguishing powder, carbon dioxide. Fine water spray
<b>Fire-fighting method:</b>	In case of fire, keep containers cool with water spray. Do not spray onto flame or red-hot objects. Keep away from sources of ignition - no smoking.
<b>Notice and measures for firing 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. Keep away from sources of ignition and naked flames. 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.  
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.  
Protect from direct sunlight.  
Temperatures between + 5 °C and + 35 °C  
Keep away from heat and direct sunlight.  
Do not store near sources of heat or ignition, or reactive materials.

### 8. Exposure controls / personal protection

Hazardous components	GBZ 2.1-2007	ACGIH	NIOSH	OSHA
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
Ethyl acetate	200 mg/m <sup>3</sup> PC-TWA 300 mg/m <sup>3</sup> PC-STEL	400 ppm TWA		none
n-Heptane	500 mg/m <sup>3</sup> PC-TWA 1,000 mg/m <sup>3</sup> PC-STEL	400 ppm TWA 500 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

**Engineering controls:** Ensure good ventilation/extraction.  
Avoid naked flames, sparking and sources of ignition.  
Prevent electrostatic charge build-up by using common bonding and grounding techniques.  
Handle in accordance with good industrial hygiene and safety practice

**Respiratory protection:** Suitable breathing mask when there is inadequate ventilation.

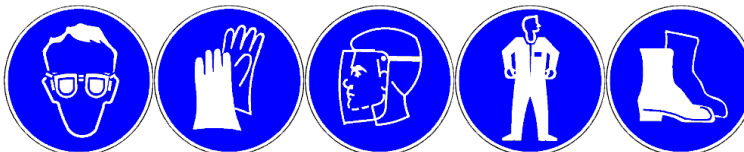
**Eye protection:** Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.

**Body protection:** Wear suitable protective clothing.  
Protective clothing that covers arms and legs.

**Hand protection:** Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Isobutylene-isoprene rubber (IIR; >= 0.7 mm thickness)  
Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Isobutylene-isoprene rubber (IIR; >= 0.7 mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

**Other protection:** The selection of PPE shall at least compliant with "Law of the People's Republic of China on Prevention and Control of Occupational Diseases" and "Code of practice for selection of personal protective equipments" (GB/T 11651-2008).  
Wash hands before work breaks and after finishing work. Do not eat, drink or smoke while working.

Pictograms for recommended PPE:



## 9. Physical and chemical properties

Physical state:	liquid	Appearance:	Clear 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:	1,750 - 3,500 cp

## 10. Stability and reactivity

<b>Stability:</b>	Stable under normal conditions of storage and use.
<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>	Will not occur

## 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
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	
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	
n-Heptane 142-82-5	LD50	> 5,000 mg/kg	oral	4 h	rat	OECD Guideline 401 (Acute Oral Toxicity)
	LC50	29.29 mg/l	inhalation		rat	
	LD50	> 2,000 mg/kg	dermal		rabbit	
Methylcyclohexane 108-87-2	LD50	> 5,840 mg/kg	oral		rat	
Toluene 108-88-3	LD50	5,580 mg/kg	oral	4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity)
	LC50	28.1 mg/l	inhalation		rat	
	LD50	> 5,000 mg/kg	dermal		rabbit	

**Skin corrosion/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Propan-2-ol 67-63-0	slightly irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Ethyl acetate 141-78-6	slightly irritating	24 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Toluene 108-88-3	irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**Serious eye damage/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Propan-2-ol 67-63-0	moderately irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Ethyl acetate 141-78-6	slightly irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Respiratory or skin sensitization:**

Hazardous components CAS-No.	Result	Test type	Species	Method
Propan-2-ol 67-63-0	not sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Ethyl acetate 141-78-6	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)



**Germ cell mutagenicity:**

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
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)
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)
n-Heptane 142-82-5	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		Ames Test
Toluene 108-88-3	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
Propan-2-ol 67-63-0		inhalation: vapour	at least 104 w6 h/d, 5 d/w	rat	
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)

**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
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) DIN 38412-15
Ethyl acetate 141-78-6	LC50	270 mg/l	Fish	48 h	Leuciscus idus melanotus	
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		
n-Heptane 142-82-5	LC50	> 220 - 270 mg/l	Fish	96 h	Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
n-Heptane 142-82-5	EC50	1.5 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation 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)
Methylcyclohexane 108-87-2	EC50	147,000 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation 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	IC50	12 mg/l	Algae	72 h	Selenastrum capricornutum	OECD Guideline

Toluene	108-88-3 108-88-3	NOEC	29 mg/l	Bacteria	16 h	(new name: Pseudokirchnerella subcapitata) Pseudomonas putida	201 (Alga, Growth Inhibition Test) DIN 38412, part 8 (Pseudomonas Zellvermehrungshe mm-Test)
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**Persistence and degradability:**

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Propan-2-ol 67-63-0	readily biodegradable	aerobic	70 - 84 %	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)
Ethyl acetate 141-78-6	readily biodegradable	aerobic	100 %	OECD Guideline 301 D (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)

**Bioaccumulative potential / Mobility in soil:**

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Propan-2-ol 67-63-0	0.05					OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Ethyl acetate 141-78-6	0.6					OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
n-Heptane 142-82-5	4.66					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)
Methylcyclohexane 108-87-2	3.61					
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)

### 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".  
List in National Hazardous Waste Catalogue.  
Dispose of as hazardous waste in compliance with local and national regulations.  
Do not empty into drains / surface water / ground water.
- Disposal of uncleaned packages:** Dispose of as unused product.  
Dispose of in accordance with local and national 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: Marine pollutant  
Proper shipping name: ADHESIVES (Heptanes)

**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:** All components are listed or are exempt from Inventory of Existing Chemical Substances in China.  
**Compliance with RoHS.**

**16. Other information**

**Issue date:** 02.08.2017  
**Issue department:** Xin Wang, Product Safety & Regulatory Affairs Specialist for Greater China, +86-21-28915965

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**Disclaimer:**

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.

**Others:**

**The full text of all abbreviations indicated by codes in this safety data sheet section 3 are as follows:**

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.  
H361 Suspected of damaging fertility or the unborn child.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H401 Toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.