

SL-1801

Material Safety Data Sheet

Material Safety Data Sheet according to EC directive 2001/58/EC
and REACH regulation 1907/2006 Annex II

Date Issued: 12/12/2007
Date Revised 12/12/2007
Revision No.: 1

1. INFORMATION OF THE SUBSTANCE / COMPANY**1.1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION**

Product name: SL-1801
Product description: para-tert-octylphenol formaldehyde resin
CAS No.: 26678-93-3

1.2 USE OF THE SUBSTANCE

Use of the substance: rubber industry

1.3 COMPANY IDENTIFICATION

Manufacturer: Sino Legend (Zhangjiagang) Chemical Co.,Ltd
Address: 99#, Tianba Road Yangtze International Chemical Industrial
Park,Zhangjiagang City , Jiangsu Province, China, 215635
Tel: +86-512-58326999
Fax: +86-512-58326111
Web: www.sinolegend.com

1.4 EMERGENCY PHONE NUMBER

Emergency tel: +86-512-58326999

2. COMPOSITION / INFORMATION ON INGREDIENTS**Composition**

Name	CAS No.	EC index No.	EC/EINECS ELINCS No.	R-phrase	Content
formaldehyde	50-00-0	605-001-00-5	200-001-8	R23/24/25 R34,R40,R43	≤0.1%
p-t-octylphenol	140-66-9		205-426-2	R36/38、R21 R50/53	≤4.0%
polymer of p-t-octylphenol and formaldehyde	26678-93-3				≥96.0%

SL-1801

Material Safety Data Sheet

Material Safety Data Sheet according to EC directive 2001/58/EC
and REACH regulation 1907/2006 Annex II

Date Issued: 12/12/2007

Date Revised 12/12/2007

Revision No.: 1

3. HAZARDS IDENTIFICATION

DANGERS FOR HUMAN HEALTH AND THE ENVIRONMENT

R-phrase Improper disposal may be harmful to human health and aquatic organisms,
 may cause long-term adverse effects on the environment.

4. FIRST AID MEASURES

IN GENERAL check the vital functions
 unconscious: maintain adequate airway and respiration

EYES immediately flush eyes directly with a stream of water while; washing eyes within
 several seconds of exposure is essential to achieve maximum effectiveness.
 If irritation occurs, seek medical treatment immediately.

SKIN for skin contact, wash immediately with soap and water. Wash contaminated clothing
 before reuse.
 If irritation occurs, seek medical treatment immediately.

INGESTION rinse mouth immediately with water.
 if ingestion, drink lots of water.
 if large amounts of ingestion, induce vomiting immediately, then go to hospital quickly.
 call the local Poison Treatment Center.

INHALATION remove the victim to a place with good air ventilation.
 if respiratory problem occurs, go for medical treatment promptly.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD	not determined.
FLAMMABLE LIMITS	not determined.
AUTOIGNITION TEMPERATURE	not determined.
FLAMMABLE CLASS	non-flammable.

SL-1801

Material Safety Data Sheet

Material Safety Data Sheet according to EC directive 2001/58/EC
and REACH regulation 1907/2006 Annex II

Date Issued: 12/12/2007

Date Revised 12/12/2007

Revision No.: 1

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES	keep unnecessary personnel away. eliminate all sources of ignition. do not allow the spilled product to enter sewers or open waterways.
PERSONAL PRECAUTIONS	gloves protective clothing
ENVIRONMENTAL PRECAUTIONS	prevent dust cloud formation by wetting. wash contaminated clothes.

7. HANDLING AND STORAGE

HANDLING	guard against dust accumulation of this material. do not cut, drill, grind, or weld empty containers. carry operations in the open ventilation or with respiratory protection. avoid raising dust. keep away from naked flames/heat/ignition sources/sparks.
STORAGE	store in a dry area. keep the materials in a well-ventilated place. store in a cool area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

TLV

TLV-TWA (ppm) 10ppm total dust

TLV-TWA (mg/m³) 5mg/m³ dust

*: *Threshold Limit Value, Time Weighted Average limits for 8hr per day or 40 hr weekly. the maximum airborne concentration of a material to which most workers can be exposed during a normal daily and weekly work schedule without adverse effects.*

SL-1801

Material Safety Data Sheet

Material Safety Data Sheet according to EC directive 2001/58/EC
and REACH regulation 1907/2006 Annex II

Date Issued: 12/12/2007

Date Revised 12/12/2007

Revision No.: 1

PERSONAL PROTECTION

EYE PROTECTION	safety glasses
SKIN PROTECTION	gloves, protective clothing
RESPIRATORY PROTECTION	when heating: gas mask with filter type A on dust generation: dust mask with filter type P2
HAND PROTECTION	gloves

9. PHYSICAL AND CHEMICAL PROPERTIES**GENERAL INFORMATION**

PHYSICAL STATE	solid
ODOR	not determined
APPEARANCE	white to yellowish pastilles
VAPOR PRESSURE	not determined
VAPOR DENSITY	not determined
BOILING POINT	not determined
SOFTENING POINT	85-105°C
FLASH POINT	not determined
SOLUBILITY	soluble in acetone/THF/organic solvents

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY	stable in normal condition.
CONDITIONS TO AVOID	keep away from heat, sparks or open flame.
POLYMERIZATION	does not undergo hazardous polymerization.
INCOMPATIBILITY	do not mix with strong acids.
HAZARDOUS DECOMPOSITION	complete combustion yields carbon dioxide and water. trace amounts of formaldehyde may be released in the resin curing process for formaldehyde, symptoms of exposure including eye, nose, throat, and respiratory irritation usually are experienced at air concentrations in the range of 0.2-1.0ppm and become more severe above 1ppm.

SL-1801

Material Safety Data Sheet

Material Safety Data Sheet according to EC directive 2001/58/EC
and REACH regulation 1907/2006 Annex II

Date Issued: 12/12/2007

Date Revised 12/12/2007

Revision No.: 1

11. TOXICOLOGICAL INFORMATION

GENERAL PRODUCT INFORMATION formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol is used in the synthesis of this resin. The following acute toxicology data are based on tests done for one product from a family of products. This substance is practically non-toxic by the oral, dermal, and inhalation routes. It is slightly irritating to the eyes. It does not irritate skin.

COMPONENT ANALYSIS: LD50 phenol, 4-(1,1,3,3-tetramethylbutyl)-(140-66-9)
oral LD50 rat: 4600mg/kg
oral LD50 mouse: 3210mg/kg
dermal LD50 rabbit: 1880mg/kg

OTHER TOXICOLOGICAL INFORMATION this resin may generate "nuisance" dust. A study in mice indicated that dust overloading compromised pulmonary immune function. the exposure limits for nuisance dust are:
PEL: 15mg/m³(total)8hrs TWA
PEL: 5mg/m³(resp)8hrs TWA
TLV: 10mg/m³(total)8hrs TWA

12. ECOLOGICAL INFORMATION

ECOLOGY: WATER no bioaccumulation data available.

ECOLOGY: SOIL no data available.

ENVIRONMENTAL FATE there is no significant environmental fate and effects data available.

13. DISPOSAL CONSIDERATIONS

ECOLOGY: WASTE remove to an authorized industrial waste incinerator. materials should be disposed of in accordance with local and national regulations.

SL-1801

Material Safety Data Sheet

Material Safety Data Sheet according to EC directive 2001/58/EC
and REACH regulation 1907/2006 Annex II

Date Issued: 12/12/2007

Date Revised 12/12/2007

Revision No.: 1

14. TRANSPORTATION INFORMATION

NOT REGULATED

15. REGULATORY INFORMATION

NAME OF THE COMPONENTS DETERMING THE DANGER

formaldehyde

para-tert-octylphenol

R-PHRASES

R51/53: toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

S-PHRASES

S26: in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S57: use appropriate container to avoid environmental contamination.

S61: avoid release to the environment. Refer to special instructions.

EC LIST

contains para-tert-octylphenol.

16. OTHER INFORMATION

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its application.

completed on: 12/12/2007