

## 1. Identification

### (a) Product identifier

Trade name: Polyurethane  
Product Model: SHR 100305 4023 1001

### (b) Other means of identification

Product description: Colorless fluid

### (c) Recommended use of the chemical and restrictions on use

Recommended use: Car scratch saver pen (clear coat).  
Repair paint scratches.

Restriction on use: No information available.

### (d) Details of the supplier of the product

Company name: Creative Concepts Manufacturing Ltd  
Address: Suit F2A, 3/F, Hang Fung Industrial Building Phase 2, No.2G Hok Yuen Street, Hung Hom, Kowloon, Hong Kong.  
E-mail: Billy.tseng@creativeconceptsimg.net  
Telephone: 852-27736401  
Fax: 852-27736403

### (e) Emergency phone number

852-27736401

## 2. Hazard(s) identification

### (a) Classification of the chemical

Flammable liquids, Category 3; H226  
Specific Target Organ Toxicity (Single Exposure), Category 3; H336

### (b) Label elements

Pictogram(s):



Signal word: Warning.

Hazard statements: H226: Flammable liquid and vapour.  
H336: May cause drowsiness or dizziness.

Precautionary statements:

Prevention P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking  
P271: Use only outdoors or in a well-ventilated area.

Response P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Storage P403 + P235: Store in a well-ventilated place. Keep cool  
P405: Store locked up

Disposal P501: Dispose of contents/container in accordance with local/regional/ national/  
regulations.

**(c) Description of any hazards not otherwise classified**

No information available.

**(d) Ingredient with unknown acute toxicity**

No information available.

### 3. Composition/information on ingredients

**(a) Mixtures information**

Chemical name	CAS No.	Concentration (%)
Polyurethane	51852-81-4	55
Butyl acetate	123-86-4	25
Paraffin waxes and Hydrocarbon waxes	8002-74-2	17
Silicon dioxide	14464-46-1	3

### 4. First-aid measures

**(a) Description of first aid measures**

Inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if you feel unwell.

Skin contact: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs, call a physician.

Eye contact: If products get into eyes, rinse with plenty of water immediately, also under the eyelids for several minutes. If eye irritation occurs, consult a specialist.

Ingestion: If swallowed by mistake, rinse mouth. Call a physician immediately.

**(b) Most important symptoms/effects, acute and delayed**

May cause drowsiness or dizziness.

**(c) Immediate medical attention and special treatment**

Attending physician should treat exposed patients symptomatically.

### 5. Fire-fighting measures

**(a) Extinguishing media**

Suitable extinguishing media: Carbon dioxide, sand, extinguishing power. Do not use water.

Unsuitable extinguishing media: Water with full jet.

**(b) Special hazards arising from the chemical**

Thermal decomposition can lead to release of irritating or toxic gases/vapors: carbon oxides, other irritating and toxic gases.

**(c) Special protective equipment and precautions for fire-fighters**

Firefighters must wear fire resistant protective equipment. Wear self-contained breathing apparatus.

## 6. Accidental release measures

**(a) Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Wear protective equipment, Keep unprotected persons away. Do not breathe in vapours. Avoid contact with skin, eyes and clothing.

**(b) Methods and materials for containment and cleaning up**

Absorb spill with inert material, (e.g., dry sand or earth), then place into a chemical waste container for disposal. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, using the appropriate protective equipment. Remove all sources of ignition. Provide ventilation. Do not flush with water or aqueous cleaning agents.

## 7. Handling and storage

**(a) Precautions for safe handling**

Use only in well-ventilated areas. This material and its containers must be disposal of in a safe way. Wear suitable protective clothing, gloves and eye/face protection. Do not breathe in vapours. Do not use unlabelled containers.

**(b) Conditions for safe storage, including any incompatibilities**

Keep ignition sources away - Do not smoke.  
Store in a cool, dry well-ventilated area away from incompatible substances.  
Do keep away from heat and sources of ignition. Keep away from sparks and flames.

## 8. Exposure controls/personal protection

**(a) Control parameters**

Component	OSHA		NIOSH	
	PEL-TWA	PEL-STEL	REL-TWA	REL-STEL
123-86-4	150 ppm (710 mg/m <sup>3</sup> )	--	150 ppm (710 mg/m <sup>3</sup> ) ST 200 ppm (950 mg/m <sup>3</sup> )	--
8002-74-2	--	--	2 mg/m <sup>3</sup>	--

**CAS#123-86-4 Butyl acetate**

PEL(USA) 710mg/m<sup>3</sup>. 150ppm  
REL(USA) Short-term value: 950mg/m<sup>3</sup>. 200ppm  
Long-term value: 710mg/m<sup>3</sup>. 150ppm  
TLV(USA) Short-term value: 950mg/m<sup>3</sup>. 200ppm  
Long-term value: 713mg/m<sup>3</sup>. 150ppm  
TLV(EUÖDIÄ) 712mg/m<sup>3</sup>. 150ppm

**CAS#8002-74-2 Paraffin waxes and Hydrocarbon waxes**

REL(USA) 2mg/m<sup>3</sup>

TLV(USA) 2mg/m<sup>3</sup>  
TLV(EUÖDIÄ) 2mg/m<sup>3</sup>  
fume

**CAS#14464-46-1 Silicon dioxide**

PEL(USA) <sup>1/2</sup> value from respirable dust formulae for Quartz  
REL(USA) 0.05\*mg/m<sup>3</sup>  
\*respirable dust  
TLV(USA) 0.025\*mg/m<sup>3</sup>  
\*a respirable fraction

**(b) Appropriate engineering controls**

Do not inhale vapours or smoke of heated product. Ensure adequate ventilation. Follow the maximum workplace concentration values. When the concentration in the air is over the maximum occupational exposure limit, an approved respiratory protection apparatus must be worn.

**(c) Personal protective equipment**

Respiratory protection: No personal respiratory protective equipment normally required. If there is a risk of inhalation of spray mist/spray droplets, appropriate respirator must be worn.

Hand protection: Wear protective gloves when handling.  
The glove material has to be impermeable and resistant to the product/the substance/the preparation.  
Selection of the glove material on consideration of the penetration times, rate of diffusion and the degradation.

Eye/face protection: In case of risk of splashing, wear tightly sealed goggles.

Skin/body protection: Wear protective work clothing.

**9. Physical and chemical properties**

(a) Appearance	Colorless fluid
(b) Odor	Aromatic
(c) Odor threshold	Not available.
(d) pH	4-5(at 20 °C)
(e) Melting point/freezing point	Not available.
(f) Initial boiling point and boiling range	Not available.
(g) Flash point	56°C(closed up)
(h) Evaporation rate	Not available.
(i) Flammability	Flammable.
(j) Upper/lower flammability or explosive limits	Not available.
(k) Vapor pressure	Not available.
(l) Vapor density	Not available.
(m) Relative density	Not available.
(n) Solubility(ies)	In water: Not miscible or difficult to mix. In organic solvent: Soluble in ethylene glycol.
(o) Partition coefficient: n-octanol/water	Not available.

(p) Auto-ignition temperature	Product is not self-igniting.
(q) Decomposition temperature	Not available.
(r) Viscosity	Not available.
(s) Explosive properties	Product is not explosive. However, formation of explosive air/vapor mixtures is possible.

## 10. Stability and reactivity

### (a) Reactivity

Stable under recommended storage and handling conditions (see section 7, handling and storage).

### (b) Chemical stability

Stable under normal conditions.

### (c) Possibility of hazardous reactions

If overheat, this product can release toxic gases. No inhalation!

### (d) Conditions to avoid

To avoid overheat. Keep away from open flames, hot surfaces, and sources of ignition. Avoid contact with incompatible materials.

### (e) Incompatible materials

Strong acid, strong bases, strong oxidizing agents, base metals.

### (f) Hazardous decomposition products

Carbon monoxide, hydrogen bromide, other irritating toxic gases.

## 11. Toxicological information

### (a) Information on the likely routes of exposure

Main routes of exposure are skin contact, eye contact and inhalation.

### (b) Information on toxicological characteristics

<b>Acute toxicity:</b>	Butyl acetate	Oral: LD50 = 10800mg/kg(rat) Dermal: LD50 > 17600mg/kg(rabbit)
<b>Skin corrosion/irritation:</b>	May cause skin irritation.	
<b>Serious eye damage/irritation:</b>	No irritating effect.	
<b>Respiratory sensitization:</b>	No sensitizing effects known.	
<b>skin sensitization:</b>	No sensitizing effects known.	
<b>Carcinogenicity:</b>	No information available.	
<b>Germ Cell Mutagenicity:</b>	No information available.	
<b>Reproductive Toxicity:</b>	No information available.	
<b>STOT-Single Exposure:</b>	No information available.	
<b>STOT-Repeated Exposure:</b>	No information available.	
<b>Aspiration Hazard:</b>	No information available.	

## 12. Ecological information

**(a) Ecotoxicity**

Butyl acetate Fish: LC50= 185 mg/l/96h

**(b) Persistence and Degradability**

Not easily biodegradable.

**(c) Bioaccumulative potential**

No information available.

**(d) Mobility in soil**

No information available.

**(e) Other adverse effects**

No harmful effects to aquatic organisms if a few. It can change the circumstance of aquatic organisms, if a large amount of this product enters into water.

## 13. Disposal considerations

**(a) Safe handling and methods of disposal**

Disposal should be in accordance with applicable regional, national and local laws and regulations.  
Local regulations may be more stringent than regional or national requirements.  
Do not allow undiluted product or large quantities of it to reach ground water, water course and sewage system.

## 14. Transport information

- (a) UN number 1993
- (b) UN Proper shipping name FLAMMABLE LIQUID, N.O.S.(contain butyl acetates)
- (c) Transport hazard class(es) 3
- (d) Packing group (if applicable) III
- (e) Marine pollutant (Yes/No) No
- (f) Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code) Not applicable.
- (g) Special precautions Not available.

## 15. Regulatory information

**(a) Safety, health and environmental regulations specific for the product in question**

CAS No.	USA TSCA	EU EINECS	Korea ECL	China IECSC	Canada DSL/NDSL
51852-81-4	Listed	Not listed	Listed	Listed	NDSL
123-86-4	Listed	Listed	Listed	Listed	Listed
8002-74-2	Listed	Listed	Listed	Listed	Listed
14464-46-1	Listed	Listed	Listed	Listed	Listed

Remark: The above-mentioned search results are based on the Non-Confidential Inventory.

## 16. Other information, including date of preparation or last revision

### (a) Preparation and revision information

Date of previous revision: Not applicable.

Date of this revision: 28/11/2013

Revision summary: The first New SDS

### (b) Abbreviations and acronyms

NIOSH	The National Institute for Occupational Safety and Health
OSHA	The United States Occupational Safety and Health Administration.
TWA	time-weighted average
STEL	Short term exposure limit
TSCA	Toxic Substances Control Act, The American chemical inventory.
DSL/NDSL	Domestic Substances List/Non-Domestic Substances List
EINECS	European Inventory of Existing Commercial chemical Substances
ECL	Existing Chemicals List, the Korean chemical inventory.
IECSC	Inventory of existing chemical substances in China.

### (c) Disclaimer

The information in this SDS is provided all the relevant data fully and truly. However, the information is provided without any warranty on their absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive measures for the users who have got professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, we do not assume responsibility for the damage.

----- End of the SDS -----