



SDS Report

No. HKHC1609006097HC-02

Date : Dec 02, 2016

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TAIWAN BOR YING CORPORATION
NO.61, LANE 369, KIMMEN STREET, PAN CHIAO DIST., NEW TAIPEI CITY, Taiwan

Job No. : HKHC160900002857

This report supersedes testing report HKHC1609006097HC-01#

The following sample was submitted and identified by the client as Clean Liquid #161

Product Description : Clean Liquid #161
SGS Sample No. : HKHC160900002857 - 101
Sample Receiving Date : Sep 06, 2016
Testing Period : Sep 06 – 27, 2016

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2015/830, and is provided per attached.

Signed for and on behalf of
SGS Hong Kong Ltd.

HO CHI MING, RICKY
SENIOR MANAGER - COSMETICS, PERSONAL CARE & HOUSEHOLD SERVICES

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Safety Data Sheet

1907/2006/EC, 1272/2008/EC

Printing date 02.12.2016

Revision: 02.12.2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Clean Liquid #161
- **Article number:** #161

- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:** Cleaning

- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Taiwan Bor Ying Corporation
No. 61, Lane 369, Kimmen Street, Pan Chiao Dist., New Taipei City, Taiwan
Telephone: 886-(0)2-2681-5456
E-mail: gary.lu@tby.com.tw
- **Only Representative / other EU contact point:** Not available
- **Further information obtainable from:** Taiwan Bor Ying Corporation

- **1.4 Emergency telephone number:**
UNITED KINGDOM
National Poisons Information Service
Tel: +44 (0) 344 892 0111 (for healthcare professional)
+44 (0) 845 46 47 (in England or Wales)
+44 (0) 8454 24 24 24 (in Scotland)

- **1.5 Reference Number:** HKHC1609006097HC-02

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
 - **Classification according to Regulation (EC) No 1272/2008**
The product is not classified according to the CLP regulation.
 - **Information concerning particular hazards for human and environment:**
The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
 - **Classification system:**
The classification is according to the latest edition of EU Regulation 1272/2008/EC, and extended by company and literature data.
-
- **2.2 Label elements**
 - **Labelling according to Regulation (EC) No 1272/2008** Not applicable
 - **Hazard pictograms** Not applicable.
 - **Signal word** Not applicable.
 - **Hazard statements** Not applicable.
 - **Precautionary statements** Not applicable.

 - **2.3 Other hazards** No further relevant information available.
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:**
Mixture of substances listed below with nonhazardous additions.
For the wording of the listed hazard statements refer to Section 16.

- **Composition:**

CAS: 7732-18-5	Water	95,0 - 99,0%
EINECS: 231-791-2		

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Trade name: Clean Liquid #161

CAS: 57-55-6
EINECS: 200-338-0

propane-1,2-diol
substance with a Community workplace exposure limit

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1,0 - 2,0%

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Not available
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Use Personal Protective equipment recommended in section 8.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
No special measures required.
For the general occupational hygienic measures refer to Section 8.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

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- 7.3 **Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 **Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

57-55-6 propane-1,2-diol (2,0%)

MAK (Germany)	als Dampf und Aerosol;vgl.Abschn.IIb und Xc
WEL (Great Britain)	Long-term value: 474* 10** mg/m ³ , 150* ppm *total vapour and particulates **particulates

- **DNELs** Not available

- **PNECs** Not available

- **Additional information:** The lists valid during the making were used as basis.

- 8.2 **Exposure controls**

Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.

- **Appropriate engineering controls** See section 7 for information about design of technical facilities.

- **Personal protective equipment:**

- **Respiratory protection:** Not required.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product 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.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

Goggles recommended during refilling

- **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· Appearance:

Form:	Liquid
Colour:	Transparent
· Odour:	Odourless
· Odour threshold:	Not available

· pH-value: 6,7 – 7,7

· Change in condition

Melting point/Melting range:	Not available
Boiling point/Boiling range:	Not available
· Freezing point:	Not available

· Flash point: >100 °C (ASTM D 93)

· Flammability (solid, gaseous): Not applicable.

· Auto-ignition temperature: Not available

· Decomposition temperature: Not available

· Self-igniting: Product is not selfigniting.

· Explosive properties: Product does not present an explosion hazard.

· Explosion limits:

Lower:	Not available
Upper:	Not available
· Oxidizing properties:	Not available

· Vapour pressure: Not available

· Density: Not available

· Relative density: Not available

· Vapour density: Not available

· Evaporation rate: Not available

· Solubility in / Miscibility with water: Not available

· Partition coefficient (n-octanol/water): Not available

· Viscosity:

Dynamic:	Not available
Kinematic:	Not available

· 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity No decomposition if used according to specifications.

· 10.2 Chemical stability Stable under recommended storage conditions.

· 10.3 Possibility of hazardous reactions No dangerous reactions known.

· 10.4 Conditions to avoid No further relevant information available.

· 10.5 Incompatible materials: No further relevant information available.

· 10.6 Hazardous decomposition products: No dangerous decomposition products known.

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SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

57-55-6 propane-1,2-diol

Oral	LD50	20000 mg/kg (rat)
Dermal	LD50	20800 mg/kg (rabbit)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.
- **12.7 Additional ecological information:** No further relevant information available

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:** Small quantities can be disposed of with household waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|--|----------------|
| · 14.1 UN-Number | |
| · ADR,RID,ADN, IMDG, IATA | Not applicable |
| · 14.2 UN proper shipping name | |
| · ADR,RID,ADN, IMDG, IATA | Not applicable |
| · 14.3 Transport hazard class(es) | |
| · ADR,RID,ADN, IMDG, IATA | |
| · Class | Not applicable |

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· Label	Not applicable
· 14.4 Packing group	
· ADR,RID,ADN, IMDG, IATA	Not applicable
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Not applicable.
· EMS Number:	Not applicable
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· 14.8 Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Not applicable

SECTION 15: Regulatory information

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

· **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

· **Directive 2012/18/EU**

· **Seveso category** Not applicable

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** Not applicable

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** Not applicable

· **National regulations:**

· **Waterhazard class:** Generally not hazardous for water.

· **Other regulations, limitations and prohibitive regulations**

· **SVHC Candidate List of REACH Regulation Annex XIV Authorisation (20/6/2016)**

None of the ingredients is listed.

· **REACH Regulation Annex XVII Restriction (24/06/2016)**

See Section 16 for information about restriction of use.

None of the ingredients is listed.

· **REACH Regulation Annex XIV Authorisation List (14/8/2014)**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

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The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY

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· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

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EU