

SDS Report

No: JCT-SDS20150316031

Date: 2015/3/16

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Client's Name: GUANGZHOU REALIZE GREEN CHEMICAL TECHNOLOGY CO., LTD.
Client's Address: RM.807, NO.82 HUANGCUN WEST ROAD, DONGPU TOWN, TIANHE DISTRICT,
GUANGZHOU CITY, GUANGDONG, CHINA.
Product Name: DECABROMODIPHENYL ETHANE
Job Receiving Date: 2015/3/9
Preparation Period: 2015/3/9 - 2015/3/16
Service Requested: Safety Data Sheet (SDS)
Summary: The contents and format of this SDS are in accordance with Regulation (EC) No.1907/2006,
Regulation (EC) No 1272/2008 and Regulation (EU) No 453/2010, EU Commission Directive
1999/45/EC, 67/548/EEC.

Signed for and on behalf of
JCT Ltd.



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

1.1 Product identifier

Product name: Decabromodiphenyl ethane

Product number: /

1.2 Application of the substance / the preparation

/

1.3 Details of the supplier of the material safety data sheet

Manufacturer/Supplier: Guangzhou Realize Green Chemical Technology Co., Ltd.

Rm.807, No.82 Huangcun West Road, Dongpu Town, Tianhe District, Guangzhou City,
Guangdong, China.

Tel: +86-20-82583587

Fax: +86-20-82582782

E-mail: sales@czfchem.com

Factory Address: B3-4 Building, Gaoke Industrial Zone, Xinye Avenue, Nancun Town, Panyu District, Guangzhou City,
Guangdong, China.

1.4 Emergency telephone number:

Emergency Phone #: +86-(0)18520116458

1.5 Reference Number: JCT-MSDS20150316031

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008[EU-GHS/CLP]

Acute toxicity, Oral (Category 4);

Skin irritation (Category 2);

Eye irritation (Category 2);

Specific target organ toxicity - single exposure (Category 3);

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Harmful if swallowed. Irritating to eyes, respiratory system and skin.

Information concerning particular hazards for human and environment

The product has not been classified as dangerous according to Directive 67/548/EEC and 1999/45/EC.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008[CLP]

Hazard pictograms


Signal word

Warning

Hazard statements

H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.

Precautionary statement(s)

P261 Avoid breathing dust.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

According to European Directive 67/548/EEC as amended.

Hazard symbol(s)

R-phrases(s)

R22 Harmful if swallowed.
 R36/37/38 Irritating to eyes, respiratory system and skin.

S-phrases(s)

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical Advice.
 S36/37 Wear suitable protective clothing and gloves.

2.3 Other hazard
Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Section 3: Composition/information on ingredients

3.1 Substances
Chemical characterization:

Formula: C₁₄H₄Br₁₀

Molecular Weight: 971.22

Description

Mixture of substances listed below with nonhazardous additions.

Components		Concentration(%)
CAS: 84852-53-9	Decabromodiphenyl ethane	100
EINECS: 284-366-9		

Section 4: First aid measures

4.1 Description of first aid measures

After inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

After skin contact:

Get medical aid. Flush skin with plenty of water while removing contaminated clothing and shoes.

After eye contact:

Flush eyes with plenty of water occasionally lifting the upper and lower lids. Get medical aid.

After swallowing:

Get medical aid. Wash mouth out with water.

4.2 Most important symptoms and effects, both acute and delayed

Not 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 water spray, dry chemical, carbon dioxide or chemical foam.

5.2 Special hazards arising from the substance or mixture

Carbon oxides.

5.3 Advice for firefighters

Protective equipment: Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

No further relevant information available.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use proper personal protective equipment.

6.2 Environmental precautions

Do not allow to enter sewers/ surface water.

6.3 Methods and material for containment and cleaning up

Vacuum or sweep up material and place into suitable disposal container. Avoid generating dusty conditions.

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 Handling

Precautions for safe handling:

Avoid breathing dust, vapor, mist or gas. Avoid contact with eyes, skin.

Information about fire - and explosion protection: Not applicable.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

Keep in a cool, dry and well-ventilated place.

Information about storage in one common storage facility: Store away from fire and heat.

Further information about storage conditions: Not available.

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

Section 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see section 7.

8.1 Control parameters

DNELs: Not applicable

PNECs: Not applicable

Additional information: No known exposure limit.

8.2 Exposure controls

Appropriate engineering controls

Washing hands before rest or at the end of work.

Personal protective equipment

General protective and hygienic measures:

Breathing equipment:

Wear appropriate respirators where necessary.

Protection of hands:

Handle with gloves. Gloves must be inspected prior to use.

Eye protection:

Wear chemical safety goggles.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Powder

Colour: White

Odour: Odorless

pH-value: Not available

Change in condition:

Melting point/Melting range: 335 - 342 °C

Boiling point/Boiling range: > 676 °C

Freezing point: Not available

Flash point: Not applicable(no flash point).

Flammability (solid, gaseous): Not applicable

Ignition temperature: Not applicable

Auto igniting: Not applicable

Danger of explosion: Not applicable

Explosion limits:

Lower: Not applicable

Upper: Not applicable

Vapour pressure: Not applicable

Density: > 1(water=1)

Evaporation rate: Not applicable

Solubility in / Miscibility with

Water: Insoluble in water.

Partition coefficient (n-octanol/water): Not applicable

Viscosity:

Dynamic: Not applicable

9.2 Other information

No further relevant information available.

Section 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known.

10.2 Chemical stability

Stable at normal temperatures and storage conditions.

10.3 Thermal decomposition

No decomposition if used according to specifications.

10.4 Possibility of hazardous reactions

No dangerous reactions known.

10.5 Conditions to avoid

Not available.

10.6 Incompatible materials

Strong oxidizing agents.

10.7 Hazardous decomposition products

Not available.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Not available

Primary irritant effect:

on the skin: May cause skin irritation.

on the eye: May cause eye irritation.

Sensitization: Sensitization possible through skin contact.

Additional toxicological information: *No further relevant information available.*

Section 12: Ecological information

12.1 Toxicity

Not available

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

Not available

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Not applicable.

12.6 Other adverse effects

No data available.

Section 13: Disposal considerations**13.1 Waste treatment methods****Recommendation:**

Follow all local, state, and federal regulations for disposal of waste chemicals.

13.2 Uncleaned packaging:**Recommendation:**

Follow all local, state, and federal regulations for disposal of waste chemicals.

Section 14: Transport information**14.1 UN-Number**

ADR: Not regulated

IMDG: Not regulated

IATA: Not regulated

14.2 UN proper shipping name

ADR: Not dangerous goods for transport.

IMDG: Not dangerous goods for transport.

IATA: Not dangerous goods for transport.

14.3 Transport hazard class(es)

ADR: Not regulated

IMDG: Not regulated

IATA: Not regulated

14.4 Packing group

ADR: Not regulated

IMDG: Not regulated

IATA: Not regulated

14.5 Additional information

Not available.

Section 15: Regulatory information

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

No specifically regulations for this product.

15.2 National regulations:

SVHC Candidate List of REACH Regulation Annex XIV Authorisation (19/12/2011)

REACH Regulation Annex XVII Restriction (9/2/2012)

REACH Regulation Annex XIV Authorization List (15/2/2012)

15.3 Chemical safety assessment

None.

Section 16: Other information

The contents and format of this MSDS/SDS are in accordance with REGULATION(EC) No 1907/2006, 1272/2008, Regulation (EU) No 453/2010 and EU Commission Directive 1999/45/EC, 67/548/EEC.

DISCLAIMER OF LIABILITY

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16.1 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

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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