according to GB/T 16483 and GB/T 17519



DHBP

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name : DHBP

Chemical nature : Organic Peroxide

liquid

Manufacturer or supplier's details

Company : United Initiators (Shanghai) Co., Ltd

Address : Room 501, Bldg. 1, No. 1 Shangda Road

Shanghai, China, 200444

Telephone : +86 21 61172758

Emergency telephone number : +86 21 61172758

E-mail address : cs-initiators.cn@united-in.com

Recommended use of the chemical and restrictions on use

Recommended use : polymerisation initiators

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: liquidColour: colourlessOdour: ether-like

Combustible liquid. Heating may cause a fire. Causes skin irritation.

GHS Classification

Flammable liquids : Category 4

Organic peroxides : Type C

Skin corrosion/irritation : Category 2

GHS label elements

according to GB/T 16483 and GB/T 17519



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Hazard pictograms





Signal word : Danger

Hazard statements : H227 Combustible liquid.

H242 Heating may cause a fire. H315 Causes skin irritation.

Precautionary statements :

Prevention:

P210 Keep away from heat/ sparks/ open flames/ hot surfaces.

No smoking.

P220 Keep/Store away from clothing/ strong acids, bases, heavy metal salts and other reducing substances /combustible

materials.

P234 Keep only in original container.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ eye protection/ face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.

P332 + P313 If skin irritation occurs: Get medical advice/ atten-

tion.

P362 + P364 Take off contaminated clothing and wash it before

reuse.

P370 + P378 In case of fire: Use water spray, alcohol-resistant

foam, dry chemical or carbon dioxide to extinguish.

Storage:

P410 Protect from sunlight.

P411 + P235 Store at temperatures not exceeding 40 °C/

104 °F. Keep cool.

P420 Store away from other materials.

Disposal:

P501 Dispose of contents/ container to an approved waste

disposal plant.

Physical and chemical hazards

Combustible liquid. Heating may cause a fire.

Health hazards

Causes skin irritation.

Environmental hazards

Not classified based on available information.

Other hazards which do not result in classification

None known.

according to GB/T 16483 and GB/T 17519



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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Substance name : 2,5-Dimethyl-2,5-di-(tert-butylperoxy)hexane

CAS-No. : 78-63-7

Components

Chemical name	CAS-No.	Concentration (% w/w)
2,5-Dimethyl-2,5-di(tertbutylperoxy)hexane	78-63-7	<= 100

4. FIRST AID MEASURES

General advice : Take off contaminated clothing and shoes immediately.

Call a physician immediately.

Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical

advice.

Move out of dangerous area.

Show this safety data sheet to the doctor in attendance.

Do not leave the victim unattended.

If inhaled : Administer oxygen if breathing is difficult or cyanosis is ob-

served

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

If unconscious, place in recovery position and seek medical

advice.

If symptoms persist, call a physician.

In case of skin contact : If symptoms persist, call a physician.

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing

and shoes.

Wash contaminated clothing before re-use.

If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact : In the case of contact with eyes, rinse immediately with plenty

of water and seek medical advice.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

according to GB/T 16483 and GB/T 17519



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If eye irritation persists, consult a specialist.

If swallowed : Call a physician immediately.

Rinse mouth thoroughly with water.

Keep respiratory tract clear.

If symptoms persist, call a physician.

Most important symptoms and effects, both acute and

delayed

Causes skin irritation.

Protection of first-aiders : First Aid responders should pay attention to self-protection

and use the recommended protective clothing

Notes to physician : Treat symptomatically and supportively.

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray jet

Alcohol-resistant foam Carbon dioxide (CO2)

Dry chemical

Unsuitable extinguishing

media

High volume water jet

Specific hazards during fire-

fighting

Risk of explosion if heated under confinement.

Possible emission of gaseous decomposition products may

lead to a dangerous pressure build-up.

Avoid confinement.

Contact with incompatible materials or exposure to temperatures exceeding SADT may result in a self-accelerating decomposition reaction with release of flammable vapors which

may auto-ignite.

The product burns violently.

Flash back possible over considerable distance.

Do not allow run-off from fire fighting to enter drains or water

courses

Vapours may form explosive mixtures with air.

The product will float on water and can be reignited on surface

water

Cool closed containers exposed to fire with water spray.

Specific extinguishing meth-

ods

Use extinguishing measures that are appropriate to local cir-

cumstances and the surrounding environment.
Use a water spray to cool fully closed containers.

Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

according to GB/T 16483 and GB/T 17519



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Do not use a solid water stream as it may scatter and spread

fire.

Remove undamaged containers from fire area if it is safe to do

SO.

Use water spray to cool unopened containers.

Special protective equipment :

for firefighters

Wear self-contained breathing apparatus for firefighting if nec-

essarv

Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec-: tive equipment and emer-

gency procedures

Follow safe handling advice and personal protective equip-

ment recommendations.

Beware of vapours accumulating to form explosive concentra-

tions. Vapours can accumulate in low areas.

Use personal protective equipment. Remove all sources of ignition.

Environmental precautions

Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.

Methods and materials for containment and cleaning up

Contact with incompatible substances can cause decomposi-

tion at or below SADT. Clear spills immediately.

Suppress (knock down) gases/vapours/mists with a water

spray jet.

To clean the floor and all objects contaminated by this materi-

al, use plenty of water.

Soak up with inert absorbent material. Isolate waste and do not reuse. Non-sparking tools should be used.

Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to deter-

mine which regulations are applicable.

Prevention of secondary

hazards

: Never return spills in original containers for re-use.

Treat recovered material as described in the section "Disposal

considerations".

7. HANDLING AND STORAGE

Handling

Technical measures : See Engineering measures under EXPOSURE

CONTROLS/PERSONAL PROTECTION section.

according to GB/T 16483 and GB/T 17519



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Advice on protection against

fire and explosion

Take necessary action to avoid static electricity discharge

(which might cause ignition of organic vapours).

Keep away from heat and sources of ignition.

Use only explosion-proof equipment.

Keep away from open flames, hot surfaces and sources of

ignition.

Keep away from combustible material.

Do not spray on a naked flame or any incandescent material.

Advice on safe handling : Open drum carefully as content may be under pressure.

Protect from contamination.

Do not swallow.

Do not breathe vapours/dust. Avoid contact with skin and eyes.

Avoid formation of aerosol.

Take precautionary measures against static discharges. Never return any product to the container from which it was

originally removed.

Provide sufficient air exchange and/or exhaust in work rooms.

Avoid confinement.

Keep away from heat, hot surfaces, sparks, open flames and

other ignition sources. No smoking.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

Wash thoroughly after handling. For personal protection see section 8.

Avoidance of contact : Accelerators, strong acids and bases, heavy metals and

heaw metal salts, reducing agents

Storage

Conditions for safe storage : Store in original container.

Keep containers tightly closed in a cool, well-ventilated place.

Store in cool place.

Keep in a well-ventilated place.

Contamination may result in dangerous pressure increases -

closed containers may rupture. Observe label precautions.

Store in accordance with the particular national regulations. Avoid impurities (e.g. rust, dust, ash), risk of decomposition. Electrical installations / working materials must comply with

the technological safety standards.

Containers which are opened must be carefully resealed and

kept upright to prevent leakage.

Materials to avoid : Keep away from combustible materials.

Keep away from strong acids, bases, heavy metal salts and

other reducing substances.

Recommended storage tem- :

perature

10 - 40 °C

according to GB/T 16483 and GB/T 17519



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age stability

Further information on stor- : Stable under recommended storage conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures Minimize workplace exposure concentrations.

Personal protective equipment

Respiratory protection In the case of dust or aerosol formation use respirator with an

approved filter.

ABEK-filter Filter type

Ensure that eyewash stations and safety showers are close Eye/face protection

to the workstation location.

Please follow all applicable local/national requirements when selecting protective measures for a specific workplace. Always wear eye protection when the potential for inadvertent

eye contact with the product cannot be excluded.

Tightly fitting safety goggles

Please wear suitable protective goggles. Also wear face pro-

tection if there is a splash hazard.

Skin and body protection Select appropriate protective clothing based on chemical

resistance data and an assessment of the local exposure

potential.

Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, dis-

posable suits) to avoid exposed skin surfaces.

Wear as appropriate:

Flame retardant antistatic protective clothing.

Hand protection

Material butyl-rubber Break through time 480 min Glove thickness 0.47 mm

Nitrile rubber Material Break through time 480 min Glove thickness 0.40 mm

according to GB/T 16483 and GB/T 17519



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Remarks The data about break through time/strength of material are

> standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove. Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of

workday.

Protective measures The type of protective equipment must be selected according

to the concentration and amount of the dangerous substance

at the specific workplace.

Avoid contact with skin, eyes and clothing. Hygiene measures

Keep away from food and drink. When using do not eat or drink. When using do not smoke.

Wash hands before breaks and immediately after handling

the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance liquid

Colour colourless

Odour ether-like

Odour Threshold No data available

pН substance/mixture is non-soluble (in water)

Melting point/freezing point < 10 °C

range

Initial boiling point and boiling : Decomposition: Decomposes below the boiling point.

74 °C Flash point

Method: ISO 3679

according to GB/T 16483 and GB/T 17519



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Evaporation rate : No data available

Flammability (liquids) : Organic peroxide

Self-ignition : The substance or mixture is not classified as pyrophoric.

Upper explosion limit / Upper

flammability limit

Upper explosion limit

not determined

Lower explosion limit / Lower

flammability limit

Lower explosion limit

not determined

Vapour pressure : < 0.01 hPa (20 °C)

Relative vapour density : not determined

Relative density : not determined

Density : 0.88 g/cm3 (20 °C)

Solubility(ies)

Water solubility : < 0.01 g/l insoluble (20 °C)

Solubility in other solvents : completely miscible

Solvent: Alcohol

completely miscible Solvent: Esters

Partition coefficient: n-

octanol/water

log Pow: 7.34 (20 °C)

Auto-ignition temperature : not determined

Self-Accelerating decomposi-

tion temperature (SADT)

90 °C

Method: UN-Test H.4

SADT-Self Accelerating Decomposition Temperature. Lowest temperature at which the tested package size will undergo a

self-accelerating decomposition reaction.

Viscosity

Viscosity, dynamic : 8 mPa.s (20 °C)

Viscosity, kinematic : not determined

Explosive properties : Not explosive In use, may form flammable/explosive vapour-

air mixture.

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Organic peroxide

according to GB/T 16483 and GB/T 17519



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Self-heating substances : The substance or mixture is not classified as self heating.

Refractive index : 1.422 (20 °C)

10. STABILITY AND REACTIVITY

Reactivity : Stable under recommended storage conditions.

Heating may cause a fire or explosion.

Chemical stability : Stable under recommended storage conditions.

No decomposition if stored normally.

Possibility of hazardous reac-

tions

Vapours may form explosive mixture with air.

Conditions to avoid : Protect from contamination.

Contact with incompatible substances can cause decomposi-

tion at or below SADT. Heat, flames and sparks. Avoid confinement.

Incompatible materials : Accelerators, strong acids and bases, heavy metals and

heavy metal salts, reducing agents

Hazardous decomposition

products

Irritant, caustic, flammable, noxious/toxic gases and vapours

can develop in the case of fire and decomposition

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified due to lack of data.

Product:

Acute oral toxicity : LD50 (Rat, male and female): > 2,000 mg/kg

Method: OECD Test Guideline 401

Assessment: The substance or mixture has no acute oral tox-

icitv

Remarks: No mortality observed at this dose.

Acute inhalation toxicity : Remarks: study scientifically unjustified

Acute dermal toxicity : LD50 (Rabbit): 4,100 mg/kg

Method: OECD Test Guideline 402

according to GB/T 16483 and GB/T 17519



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Components:

2,5-Dimethyl-2,5-di(tert.-butylperoxy)hexane:

Acute oral toxicity : LD50 (Rat, male and female): > 2,000 mg/kg

Method: OECD Test Guideline 401

Assessment: The substance or mixture has no acute oral tox-

icitv

Remarks: No mortality observed at this dose.

Acute inhalation toxicity : Remarks: study scientifically unjustified

Acute dermal toxicity : LD50 (Rabbit): 4,100 mg/kg

Method: OECD Test Guideline 402

Assessment: The substance or mixture has no acute dermal

toxicity

Skin corrosion/irritation

Causes skin irritation.

Product:

Species : Rabbit Exposure time : 4 h

Method : OECD Test Guideline 404

Result : Skin irritation

Remarks : May cause skin irritation in susceptible persons.

Components:

2,5-Dimethyl-2,5-di(tert.-butylperoxy)hexane:

Species : Rabbit Exposure time : 4 h

Method : OECD Test Guideline 404

Result : Skin irritation

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Product:

Species : Rabbit

Result : No eye irritation

Method : OECD Test Guideline 405

Remarks : Vapours may cause irritation to the eyes, respiratory system

and the skin.

Components:

2,5-Dimethyl-2,5-di(tert.-butylperoxy)hexane:

Species : Rabbit

according to GB/T 16483 and GB/T 17519



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Result : No eye irritation

Method : OECD Test Guideline 405

Respiratory or skin sensitisation

Skin sensitisation

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Not classified due to lack of data.

Product:

Test Type : Maximisation Test Species : Guinea pig

Made al

Method : OECD Test Guideline 406

Result : Does not cause skin sensitisation.

Components:

2,5-Dimethyl-2,5-di(tert.-butylperoxy)hexane:

Test Type : Maximisation Test

Species : Guinea pig

Method : OECD Test Guideline 406

Result : Does not cause skin sensitisation.

Germ cell mutagenicity

Not classified due to lack of data.

Product:

Genotoxicity in vitro : Test Type: Ames test

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

Test Type: In vitro mammalian cell gene mutation test

Test system: mouse lymphoma cells

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo

cytogenetic assay)

Species: Mouse (male and female)

Application Route: Oral

Method: OECD Test Guideline 474

Result: negative

Components:

2,5-Dimethyl-2,5-di(tert.-butylperoxy)hexane:

according to GB/T 16483 and GB/T 17519



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Genotoxicity in vitro Test Type: Ames test

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

Test Type: In vitro mammalian cell gene mutation test

Test system: mouse lymphoma cells

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: negative

Genotoxicity in vivo Test Type: Mammalian erythrocyte micronucleus test (in vivo

cytogenetic assay)

Species: Mouse (male and female)

Application Route: Oral

Method: OECD Test Guideline 474

Result: negative

Carcinogenicity

Not classified due to lack of data.

Product:

This information is not available. Remarks

Components:

2,5-Dimethyl-2,5-di(tert.-butylperoxy)hexane:

Remarks : This information is not available.

Reproductive toxicity

Not classified due to lack of data.

Product:

ment

Effects on foetal develop-

Test Type: Prenatal development toxicity study (teratogenicity) Species: Rat

Application Route: oral (gavage)

General Toxicity Maternal: NOAEL: 300 mg/kg body weight

Developmental Toxicity: 300 mg/kg body weight

Method: OECD Test Guideline 414

GLP: yes

Components:

2,5-Dimethyl-2,5-di(tert.-butylperoxy)hexane:

Effects on foetal develop-

Species: Rat

ment

Application Route: oral (gavage)

General Toxicity Maternal: NOAEL: 300 mg/kg body weight

Test Type: Prenatal development toxicity study (teratogenicity)

Developmental Toxicity: 300 mg/kg body weight

Method: OECD Test Guideline 414

according to GB/T 16483 and GB/T 17519



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GLP: yes

STOT - single exposure

Not classified due to lack of data.

STOT - repeated exposure

Not classified due to lack of data.

Repeated dose toxicity

Product:

Species : Rat, male and female NOAEL : 200 mg/kg bw/day

Application Route : Oral Exposure time : 28 d

Method : OECD Test Guideline 407

GLP : yes

Species : Rat, male and female

150 mg/kg bw/day

Application Route : Oral Exposure time : 90

Method : OECD Test Guideline 408

GLP : yes

Components:

2,5-Dimethyl-2,5-di(tert.-butylperoxy)hexane:

Species : Rat, male and female NOAEL : 200 mg/kg bw/day

Application Route : Oral Exposure time : 28 d

Method : OECD Test Guideline 407

GLP : yes

Species : Rat, male and female NOAEL : 150 mg/kg bw/day

Application Route : Oral Exposure time : 90

Method : OECD Test Guideline 408

GLP : yes

Aspiration toxicity

Not classified due to lack of data.

Product:

Not classified due to data which are conclusive although insufficient for classification.

according to GB/T 16483 and GB/T 17519



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Components:

2,5-Dimethyl-2,5-di(tert.-butylperoxy)hexane:

Not classified due to data which are conclusive although insufficient for classification.

Further information

Product:

Remarks : No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : LC50 (Oryzias latipes (Japanese medaka)): 4.5 mg/l

Exposure time: 96 h Test Type: semi-static test

Method: OECD Test Guideline 203

Remarks: No toxicity at the limit of solubility

Toxicity to algae/aquatic

plants

EC50 (Pseudokirchneriella subcapitata (green algae)): >=

0.236 mg/l

Exposure time: 72 h Test Type: Growth inhibition

Analytical monitoring: yes

Method: OECD Test Guideline 201

Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other :

aquatic invertebrates (Chron-

ic toxicity)

NOEC (Daphnia magna (Water flea)): > 0.0065 mg/l

Exposure time: 21 d

Test Type: semi-static test

Method: OECD Test Guideline 211

Remarks: No toxicity at the limit of solubility

Toxicity to microorganisms : NOEC (activated sludge): > 1,000 mg/l

Exposure time: 3 h

Test Type: Respiration inhibition Method: OECD Test Guideline 209

Remarks: No toxicity at the limit of solubility

Components:

2,5-Dimethyl-2,5-di(tert.-butylperoxy)hexane:

Toxicity to fish : LC50 (Oryzias latipes (Japanese medaka)): 4.5 mg/l

Exposure time: 96 h
Test Type: semi-static test

Method: OECD Test Guideline 203

Remarks: No toxicity at the limit of solubility

according to GB/T 16483 and GB/T 17519



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Toxicity to algae/aquatic

plants

EC50 (Pseudokirchneriella subcapitata (green algae)): >=

0.236 mg/l

Exposure time: 72 h

Test Type: Growth inhibition Analytical monitoring: yes

Method: OECD Test Guideline 201

Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other aquatic invertebrates (Chron-

ic toxicity)

NOEC (Daphnia magna (Water flea)): > 0.0065 mg/l

Exposure time: 21 d

Test Type: semi-static test

Method: OECD Test Guideline 211

Remarks: No toxicity at the limit of solubility

Toxicity to microorganisms : NOEC (activated sludge): > 1,000 mg/l

Exposure time: 3 h

Test Type: Respiration inhibition Method: OECD Test Guideline 209

Remarks: No toxicity at the limit of solubility

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

Persistence and degradability

Product:

Biodegradability : Result: Readily biodegradable.

Method: OECD Test Guideline 301D

Remarks: Not classified due to data which are conclusive

although insufficient for classification.

Components:

2,5-Dimethyl-2,5-di(tert.-butylperoxy)hexane:

Biodegradability : Result: Readily biodegradable.

Method: OECD Test Guideline 301D

Remarks: Not classified due to data which are conclusive

although insufficient for classification.

Bioaccumulative potential

Product:

Bioaccumulation : Bioconcentration factor (BCF): 521 - 839

according to GB/T 16483 and GB/T 17519



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Components:

2,5-Dimethyl-2,5-di(tert.-butylperoxy)hexane:

Bioaccumulation : Bioconcentration factor (BCF): 521 - 839

Partition coefficient: n-

octanol/water

log Pow: 7.34

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological infor-

mation

: No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of wastes in an approved waste disposal facility.

The product should not be allowed to enter drains, water

courses or the soil.

Do not contaminate ponds, waterways or ditches with chemi-

cal or used container.

Contaminated packaging : Dispose of in accordance with local regulations.

Clean container with water.

Dispose of contents/ container to an approved waste disposal

plant.

Empty remaining contents.

Dispose of as unused product.

Do not re-use empty containers.

Do not burn, or use a cutting torch on, the empty drum.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number : UN 3103

Proper shipping name : ORGANIC PEROXIDE TYPE C, LIQUID

(2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY)HEXANE)

Class : 5.2

Packing group : Not assigned by regulation

Labels : 5.2 Environmentally hazardous : no

IATA-DGR

according to GB/T 16483 and GB/T 17519



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UN/ID No. : UN 3103

Proper shipping name : Organic peroxide type C, liquid

(2,5-Dimethyl-2,5-di-(tert-butylperoxy)-hexane)

Class : 5.2

Packing group : Not assigned by regulation

Labels : Organic Peroxides, Keep Away From Heat

Packing instruction (cargo : 570

aircraft)

Packing instruction (passen- : 570

ger aircraft)

IMDG-Code

UN number : UN 3103

Proper shipping name : ORGANIC PEROXIDE TYPE C, LIQUID

(2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY)HEXANE)

Class : 5.2

Packing group : Not assigned by regulation

Labels : 5.2 EmS Code : F-J, S-R Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

GB 6944/12268

UN number : UN 3103

Proper shipping name : ORGANIC PEROXIDE TYPE C, LIQUID

(2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY)HEXANE)

Class : 5.2

Packing group : Not assigned by regulation

Labels : 5.2 Marine pollutant : no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. REGULATORY INFORMATION

National regulatory information

Gefahrgruppe nach TRGS 741: Ib, S+ (German regulatory requirements)

Produkt unterliegt dem Sprengstoffgesetz (SprengG; Stoffgruppe C). (German regulatory requirement)

Regulations on Safety Management of Hazardous Chemicals

Catalogue of Hazardous Chemicals : Listed

according to GB/T 16483 and GB/T 17519



DHBP

Version Revision Date: SDS Number: Date of last issue: 2022/07/01 1.2 2024/03/07 600000000007 Date of first issue: 2020/04/29

Identification of Major Hazard Installations for Hazardous Chemicals (GB 18218)

No. / Code Chemical name / Category Threshold quantity

W7.2 Organic peroxides 50 t

The components of this product are reported in the following inventories:

TCSI (TW) : On the inventory, or in compliance with the inventory

TSCA (US) : All substances listed as active on the TSCA inventory

AllC (AU) : On the inventory, or in compliance with the inventory

DSL (CA) : All components of this product are on the Canadian DSL

ENCS (JP) : On the inventory, or in compliance with the inventory

ISHL (JP) : On the inventory, or in compliance with the inventory

KECI (KR) : On the inventory, or in compliance with the inventory

PICCS (PH) : On the inventory, or in compliance with the inventory

IECSC (CN) : On the inventory, or in compliance with the inventory

TECI (TH) : On the inventory, or in compliance with the inventory

16. OTHER INFORMATION

Revision Date : 2024/03/07

Further information

Other information : This safety datasheet only contains information relating to

safety and does not replace any product information or prod-

uct specification.

These safety instructions also apply to empty packaging which

may still contain product residues.

The hazards on the label also apply to residues in the con-

tainer.

Sources of key data used to

compile the Safety Data

Sheet

Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen-

cy, http://echa.europa.eu/

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Date format : yyyy/mm/dd

Full text of other abbreviations

AllC - Australian Inventory of Industrial Chemicals: ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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