SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519

TRIGONOX BPIC-CP75

Version 1	Revision Date: 2022/01/05 Date of first issue: 05.01.2022	Print Date: 2023/03/14	CN / EN

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Information

Trade name : TRIGONOX BPIC-CP75

Use of the Substance/Mixture : Specific use(s): Polymerization initiator

Company : Nouryon Functional Chemicals B.V.
Haaksbergweg 88
NL 1101 BZ Amsterdam
Netherlands

Telephone : +31889840367

Telefax :

E-mail address : polymer.emeia@nouryon.com

Emergency telephone number : 24 hours:+31 57 06 79211, US-CHEMTREC:1-800-424-9300, CA-CANUTEC:1-613-996-6666, JP: +81 (836) 74 8810, CN: 化学事故应急咨询电话：+86 532 8388 9090-:
Nouryon Emergency Response Centre: +31 570 679211
National Registration Centre of Chemicals (NRCC): +86 532 8388 9090

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	
Form	Clear liquid
Colour	colourless
Odour	Faint.
GB 6944/12268	
UN number	UN 3103
Proper shipping name	ORGANIC PEROXIDE TYPE C, LIQUID
	(tert-Butylperoxy isopropyl carbonate)
Class	5.2
Packing group	Not Assigned
Hazard Summary	
General advice	Move out of dangerous area. Consult a physician.

	Show this safety data sheet to the doctor in attendance.
Physical and chemical hazards	Flammable liquid and vapour. Heating may cause a fire.
Health hazards	
Inhalation	Inhalation of aerosols may cause irritation to mucous membranes. Thermal decomposition can lead to release of irritating gases and vapours. Contains organic solvents. May be fatal if swallowed and enters airways. Inhalation may cause central nervous system effects.
Skin	Causes skin irritation. May cause an allergic skin reaction.
Eyes	May cause eye irritation.
Ingestion	May cause irritation of the mucous membranes. May be fatal if swallowed and enters airways.
Environmental hazards	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

GHS Classification

Flammable liquids, Category 3
Organic peroxides, Type C
Skin corrosion/irritation, Category 2
Skin sensitisation, Sub-category 1B
Aspiration hazard, Category 1
Short-term (acute) aquatic hazard, Category 1
Long-term (chronic) aquatic hazard, Category 1

GHS label elements

Hazard pictograms :

Signal word : Danger

Hazard statements :
H226 Flammable liquid and vapour.
H242 Heating may cause a fire.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**
P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P220 Keep/ Store away from clothing/ combustible materials.
P233 Keep container tightly closed.
P234 Keep only in original container.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing mist or vapours.
P264 Wash skin thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/ eye protection/ face protection.
Response:
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P331 Do NOT induce vomiting.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
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.
P391 Collect spillage.
Storage:
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P410 Protect from sunlight.
P420 Store away from other materials.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Physical and chemical hazards
Flammable liquid and vapour.
Heating may cause a fire.

Health hazards

Inhalation	:	Inhalation of aerosols may cause irritation to mucous membranes. Thermal decomposition can lead to release of irritating gases and vapours. Contains organic solvents. May be fatal if swallowed and enters airways. Inhalation may cause central nervous system effects.
Skin	:	Causes skin irritation. May cause an allergic skin reaction.
Eyes	:	May cause eye irritation.
Ingestion	:	May cause irritation of the mucous membranes. May be fatal if swallowed and enters airways.
Further information	:	Solvents may degrease the skin.

Test result

Sensitisation	:	Species: Guinea pig Classification: The product is a skin sensitiser, sub-category 1B.

Method: OECD Test Guideline 406

Environmental hazards
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Other hazards

No further data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Hazardous substance

Chemical name	CAS-No.	Classification	Concentration [%]
tert-Butylperoxy isopropyl carbonate	2372-21-6	Org. Perox. A; H240 Skin Corr./Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute): 10 M-Factor (Chronic): 1	>= 74 - <= 76
C10-13-isoalkanes	68551-17-7	Flam. Liq. 3; H226 Skin Corr./Irrit. 2; H315 Asp. Tox. 1; H304	>= 24 - <= 26
C9-11-isoalkanes	68551-16-6	Flam. Liq. 3; H226 Skin Corr./Irrit. 2; H315 Asp. Tox. 1; H304	< 1.3

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.

Inhalation : If breathed in, move person into fresh air.
Consult a physician after significant exposure.

Skin contact : Take off contaminated clothing and shoes immediately.
Rinse immediately with plenty of water.
If skin irritation persists, call a physician.

Eye contact : Rinse with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

Ingestion : Clean mouth with water and drink afterwards plenty of water.
Do NOT induce vomiting.
Never give anything by mouth to an unconscious person.
Obtain medical attention.

Notes to physician

Symptoms : The symptoms and effects are as expected from the hazards

as shown in section 2. No specific product related symptoms are known.

Risks : May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.

Treatment : Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet

Specific hazards during firefighting / Specific hazards arising from the chemical : CAUTION: reignition may occur.
Supports combustion.
Do not use a solid water stream as it may scatter and spread fire.
Water spray may be ineffective unless used by experienced firefighters.
Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous decomposition products formed under fire conditions.

Combustion products : Fire will produce smoke containing hazardous combustion products (see section 10).

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Use water spray to cool unopened 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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Wear respiratory protection.
Ensure adequate ventilation.
Remove all sources of ignition.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Emergency measures on accidental release : Evacuate personnel to safe areas.
Only qualified personnel equipped with suitable protective equipment may intervene.
Prevent unauthorised persons entering the zone.

Environmental precautions	:	Prevent product from entering drains. Discharge into the environment must be avoided.
Methods for cleaning up / Methods for containment	:	Soak up with inert absorbent material and dispose of as hazardous waste. Use only inert inorganic material such as vermiculite or perlite as absorbent. Keep mixture of absorbent material and spilled product wetted with water. Confinement must be avoided. Never return spills in original containers for re-use.
Reference to other sections	:	For disposal considerations see section 13. For personal protection see section 8.

7. HANDLING AND STORAGE

Handling

Advice on safe handling	:	For personal protection see section 8. Avoid formation of aerosol. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Smoking, eating and drinking should be prohibited in the application area. Container may be opened only under exhaust ventilation hood. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.
Advice on protection against fire and explosion	:	Use explosion protected equipment. Avoid formation of aerosol. Keep away from sources of ignition - No smoking. No sparking tools should be used. Keep away from reducing agents (e.g. amines), acids, alkalies and heavy metal compounds (e.g. accelerators, driers, metal soaps). Do not cut or weld on or near this container even when empty. Take measures to prevent the build up of electrostatic charge. Keep away from combustible material.
Temperature class	:	It is recommended to use electrical equipment of temperature group T3. However, autoignition can never be excluded.

Storage

Requirements for storage areas and containers	:	Prevent unauthorized access. No smoking. Keep in a well-ventilated place. Electrical installations / working materials must comply with the technological safety standards. Keep only in original container. Store away from other materials.

Minimum storage temperature: : Avoid temperatures below: -20 °C

Maximum storage temperature: : 25 °C

Other data : Maximum storage temperature is for quality only.

If product freezes or separates, contact the manufacturer.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
2-Propanol	67-63-0	PC-TWA	350 mg/m3	CN OEL
		PC-STEL	700 mg/m3	CN OEL
		TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
tert-Butanol	75-65-0	TWA	100 ppm	ACGIH
		TWA	100 ppm	ACGIH
Acetone	67-64-1	PC-TWA	300 mg/m3	CN OEL
		PC-STEL	450 mg/m3	CN OEL
		TWA	250 ppm	ACGIH
		STEL	500 ppm	ACGIH
		TWA	250 ppm	ACGIH
		STEL	500 ppm	ACGIH
Carbon dioxide	124-38-9	PC-TWA	9,000 mg/m3	CN OEL
		PC-STEL	18,000 mg/m3	CN OEL
		TWA	5,000 ppm	ACGIH
		STEL	30,000 ppm	ACGIH

Engineering measures : Explosion proof ventilation recommended.
Effective exhaust ventilation system

Personal protective equipment

Respiratory protection : In the case of vapour or aerosol formation use a respirator with an approved filter.
Filter A

Eye/face protection : Tightly fitting safety goggles

Skin and body protection : Protective suit

Hand protection
Material : Neoprene

Material : Nitrile rubber

Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday. Wash contaminated clothing before re-use.

Environmental exposure controls

General advice	:	Prevent product from entering drains. Discharge into the environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Clear liquid
Colour	:	colourless
Odour	:	Faint.
Odour Threshold	:	No data available
pH	:	Not applicable
Melting point	:	-20 °C
Boiling point/boiling range	:	Decomposes below the boiling point.
Flash point	:	48 °C Method: closed cup
Evaporation rate	:	No data available
Flammability (liquids)	:	Decomposition products may be flammable.
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	2 hPa (38 °C)
Relative vapour density	:	No data available
Relative density	:	0.90 (20 °C)
Bulk density	:	Not applicable
Solubility(ies)		
Water solubility	:	immiscible (20 °C)
Solubility in other solvents	:	miscible with most organic solvents

Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	Test method not applicable
Decomposition temperature	:	SADT - (Self accelerating decomposition temperature) is the lowest temperature at which self accelerating decomposition may occur with a substance in the packaging as used in transport. A dangerous self-accelerating decomposition reaction and, under certain circumstances, explosion or fire can be caused by thermal decomposition at and above the SADT. Contact with incompatible substances can cause decomposition below the SADT.
Self-Accelerating decomposition temperature (SADT)	:	70 °C
Viscosity		
Viscosity, dynamic	:	2.3 mPa.s (20 °C)
Viscosity, kinematic	:	2.56 mm2/s (20 °C)
Explosive properties	:	Not explosive
Oxidizing properties	:	Not classified as oxidising.
Active Oxygen Content	:	6.72 - 6.90 %
Organic peroxides	:	75 %

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

10. STABILITY AND REACTIVITY

Conditions to avoid	:	Confinement must be avoided. Heat, flames and sparks.
Materials to avoid	:	Contact with the following incompatible materials will result in hazardous decomposition: Acids and bases Iron Copper Reducing agents Heavy metals Rust Do not mix with peroxide accelerators, unless under controlled processing. Use only stainless steel 316, PP, polyethylene or glass-lined equipment. For queries regarding the suitability of other materials please contact the supplier.
Hazardous decomposition	:	2-Propanol

products		tert-Butanol Acetone Methane Carbon dioxide
Thermal decomposition	:	SADT - (Self accelerating decomposition temperature) is the lowest temperature at which self accelerating decomposition may occur with a substance in the packaging as used in transport. A dangerous self-accelerating decomposition reaction and, under certain circumstances, explosion or fire can be caused by thermal decomposition at and above the SADT. Contact with incompatible substances can cause decomposition below the SADT.
Reactivity	:	Stable under normal conditions.
Chemical stability	:	Stable under recommended storage conditions.
Hazardous reactions	:	No dangerous reaction known under conditions of normal use.
Self-Accelerating decomposition temperature (SADT)	:	70 °C

11. TOXICOLOGICAL INFORMATION

PRODUCT INFORMATION:

Hazard Summary

Acute toxicity	:	Not classified based on available information.
Skin corrosion/irritation	:	Causes skin irritation.
Serious eye damage/eye irritation	:	Not classified based on available information.
Respiratory or skin sensitisation	:	Respiratory sensitisation: Not classified based on available information. Skin sensitisation: May cause an allergic skin reaction.
Germ cell mutagenicity	:	Not classified based on available information.
Carcinogenicity	:	Not classified based on available information.
Reproductive toxicity	:	Not classified based on available information.
STOT - single exposure	:	Not classified based on available information.
STOT - repeated exposure	:	Not classified based on available information.
Aspiration hazard	:	May be fatal if swallowed and enters airways.

Potential Health Effects

Inhalation	:	Inhalation of aerosols may cause irritation to mucous membranes. Thermal decomposition can lead to release of irritating gases

and vapours.
Contains organic solvents.
May be fatal if swallowed and enters airways.
Inhalation may cause central nervous system effects.

Skin : Causes skin irritation.
May cause an allergic skin reaction.

Eyes : May cause eye irritation.

Ingestion : May cause irritation of the mucous membranes.
May be fatal if swallowed and enters airways.

Aggravated Medical Condition : None known.

Symptoms of Overexposure : The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known.

Toxicology Assessment

Further information : Solvents may degrease the skin.

Test result

Sensitisation : Species: Guinea pig
Classification: The product is a skin sensitiser, sub-category 1B.
Method: OECD Test Guideline 406

TOXICOLOGY DATA FOR THE COMPONENTS:

Test result

Component: tert-Butylperoxy isopropyl carbonate

Acute oral toxicity : LD50: > 2,000 mg/kg
Species: Rat
Method: OECD Test Guideline 423

Acute dermal toxicity : LD50: > 2,000 mg/kg
Species: Rat
Method: OECD Test Guideline 402

Skin irritation : Species: Rabbit
Result: Skin irritation
Method: OECD Test Guideline 404
Exposure time: 4 h

Eye irritation : Species: Rabbit
Method: OECD Test Guideline 405
slight irritation

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

Sensitisation	:	Species: Guinea pig Classification: The product is a skin sensitiser, sub-category 1B. Method: OECD Test Guideline 406
Repeated dose toxicity	:	Species: Rat, male and female NOAEL: 450 mg/kg bw/day Application Route: Oral Number of exposures: daily Dose: 50, 150, 450 Method: OECD Test Guideline 422 GLP: yes Not classified due to data which are conclusive although insufficient for classification.
Germ cell mutagenicity Genotoxicity in vitro	:	reverse mutation assay Salmonella typhimurium Result: Positive results in some in vitro tests. Method: OECD Test Guideline 471 reverse mutation assay Escherichia coli Result: Positive results in some in vitro tests. Method: OECD Test Guideline 471
Genotoxicity in vivo	:	In vivo micronucleus test Species: Mouse Method: OECD Test Guideline 474 Result: No evidence of genotoxic effects in vivo.
Reproductive toxicity/Fertility	:	Species: Rat, male and female Strain: wistar Application Route: Oral Dose: 50, 150, 450 mg/kg bw/day General Toxicity - Parent: No-observed-effect level: 450 mg/kg bw/day Method: OECD Test Guideline 422 GLP: yes Not classified due to data which are conclusive although insufficient for classification.
Reproductive toxicity/Development/Teratogenicity	:	Species: Rat, male and female Strain: wistar Application Route: Oral Dose: 50, 150, 450 General Toxicity Maternal: No-observed-effect level: 450 mg/kg bw/day Method: OECD Test Guideline 422 GLP: yes Not classified due to data which are conclusive although insufficient for classification.

Aspiration toxicity	:	No aspiration toxicity classification

Component: C10-13-isoalkanes

Acute oral toxicity	:	LD50: > 5,000 mg/kg Species: Rat Information taken from reference works and the literature.
Skin irritation	:	Species: Rabbit Result: Skin irritation Classification: Category 2
Eye irritation	:	Species: Rabbit Result: No eye irritation
Target Organ Systemic Toxicant - Single exposure	:	The substance or mixture is not classified as specific target organ toxicant, single exposure.
Target Organ Systemic Toxicant - Repeated exposure	:	The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Aspiration toxicity	:	May be fatal if swallowed and enters airways.

Component: C9-11-isoalkanes

Acute oral toxicity	:	LD50: > 5,000 mg/kg Species: Rat Information taken from reference works and the literature.
Skin irritation	:	Species: Rabbit Result: Skin irritation Classification: Category 2
Eye irritation	:	Species: Rabbit Result: No eye irritation
Target Organ Systemic Toxicant - Single exposure	:	The substance or mixture is not classified as specific target organ toxicant, single exposure.
Target Organ Systemic Toxicant - Repeated exposure	:	The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Aspiration toxicity	:	May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

PRODUCT INFORMATION:

Ecotoxicology Assessment

Additional ecological information	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

COMPONENTS:

Ecotoxicology Assessment

Component: C10-13-isoalkanes

Short-term (acute) aquatic hazard	:	This product has no known ecotoxicological effects.
Long-term (chronic) aquatic hazard	:	This product has no known ecotoxicological effects.

Component: C9-11-isoalkanes

Short-term (acute) aquatic hazard	:	This product has no known ecotoxicological effects.
Long-term (chronic) aquatic hazard	:	This product has no known ecotoxicological effects.

Test result

Component: tert-Butylperoxy isopropyl carbonate

Ecotoxicity effects

Toxicity to fish	:	LC50: > 10 - < 100 mg/l Exposure time: 48 h Species: Fish The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.
Toxicity to daphnia and other aquatic invertebrates	:	EC50: > 3.6 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) Test Type: semi-static test Method: OECD Test Guideline 202 NOEC: 0.9 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) Test Type: semi-static test Method: OECD Test Guideline 202
Toxicity to algae	:	NOEC: 0.002 mg/l Exposure time: 72 h Species: Pseudokirchneriella subcapitata (algae) Test Type: Growth inhibition Method: OECD Test Guideline 201 ErC50: 0.059 mg/l Exposure time: 72 h Species: Pseudokirchneriella subcapitata (algae) Test Type: Growth inhibition Method: OECD Test Guideline 201
M-Factor (Acute)	:	10

M-Factor (Chronic)	:	1
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: > 0.63 mg/l Exposure time: 10 d Species: Daphnia magna (Water flea) Test Type: semi-static test

Elimination information (persistence and degradability)

Biodegradability	:	Result: Readily biodegradable. Biodegradation: 78 % Exposure time: 28 d Method: OECD Test Guideline 301D GLP: yes

13. DISPOSAL CONSIDERATIONS

Product	:	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local regulation.
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not burn, or use a cutting torch on, the empty drum. Due to the high risk of contamination recycling/recovery is not recommended. Follow all warnings even after the container is emptied.

14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

UN/ID No.	:	UN 3103
Proper shipping name	:	Organic peroxide type C, liquid (tert-Butylperoxy isopropyl carbonate)
Class	:	5.2
Subsidiary risk	:	HEAT
Packing group	:	Not Assigned
Labels	:	5.2 (HEAT)
Packing instruction (cargo aircraft)	:	570
Packing instruction (passenger aircraft)	:	570
Environmentally hazardous	:	yes

IMDG-Code

UN number	:	UN 3103
Proper shipping name	:	ORGANIC PEROXIDE TYPE C, LIQUID (tert-Butylperoxy isopropyl carbonate)

Class	:	5.2
Packing group	:	Not Assigned
Labels	:	5.2
EmS Code	:	F-J, S-R
Marine pollutant	:	yes (tert-Butylperoxy isopropyl carbonate)

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 (tert-Butylperoxy isopropyl carbonate)
Class	:	5.2
Packing group	:	Not Assigned
Labels	:	5.2
Environmentally hazardous	:	yes

15. REGULATORY INFORMATION

Notification status

TCSI	:	YES. On the inventory, or in compliance with the inventory
TSCA	:	YES. All substances listed as active on the TSCA inventory
AIIC	:	YES. On the inventory, or in compliance with the inventory
DSL	:	YES. All components of this product are on the Canadian DSL
ENCS	:	YES. On the inventory, or in compliance with the inventory
ISHL	:	NO. Not in compliance with the inventory
KECI	:	YES. On the inventory, or in compliance with the inventory
PICCS	:	YES. On the inventory, or in compliance with the inventory
IECSC	:	YES. On the inventory, or in compliance with the inventory
NZIoC	:	NO. Not in compliance with the inventory
TECI	:	YES. On the inventory, or in compliance with the inventory

For explanation of abbreviation see section 16.

National regulatory information

Hazardous Chemicals for Priority Management under SAWS	:	Not applicable
China Severely Restricted Toxic Chemicals for Import and Export	:	Not applicable
Catalogue of Hazardous Chemicals	:	tert-Butylperoxy isopropyl carbonate tert-Butanol Listed

Regulations on Safety Management of Hazardous Chemicals

Catalogue of Hazardous Chemicals : Listed

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

Category	Threshold quantity
Flammable liquids	5,000 t

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

Category	Threshold quantity
Organic peroxides	50 t

Further information : none

16. OTHER INFORMATION

Full text of H-Statements

H226	:	Flammable liquid and vapour.
H240	:	Heating may cause an explosion.
H304	:	May be fatal if swallowed and enters airways.
H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
CN OEL	:	Occupational exposure limits for hazardous agents in the workplace - Chemical hazardous agents.

ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
CN OEL / PC-TWA	:	Permissible concentration - time weighted average
CN OEL / PC-STEL	:	Permissible concentration - short term exposure limit

AIIC - 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

Further information

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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.