

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

ProductName : *tert*-Butyl peracetate solution

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

May cause cancer. May cause fire. Flammable. Also harmful if swallowed. Irritating to eyes, respiratory system and skin. Also harmful: may cause lung damage if swallowed.

Other hazards which do not result in classification

Lachrymator.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : C₆H₁₂O₃

CAS-No.	EC-No.		Classification	Concentration
tert-Butyl peracetate 107-71-1	203-514-5	-	O, Xn, R 7 - R22 - R36/37/38	50 %
Naphtha (petroleum), hydrotreated heavy 64742-48-9	265-150-3	-	T, Carc. Cat.2, R45 - R65	< 50 %
Low boiling point modified naphtha 64741-65-7	-	-	T, Carc. Cat.2, R45 - R65	< 50 %
tert-Butyl hydroperoxide 75-91-2	200-915-7	-	O, T, R 7 - R10 - R21/22 - R23 - R34	< 0,5 %
Acetic acid 64-19-7	200-580-7	-	C, R10 - R35	< 0,5 %
tert-Butyl alcohol 75-65-0	200-889-7	-	F, Xn, R11 - R20	< 0,5 %

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

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

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods for cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

7. HANDLING AND STORAGE

Handling

Avoid exposure - obtain special instructions before use. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Keep away from combustible material. Take measures to prevent the build up of electrostatic charge.

Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

Eye protection

Face shield and safety glasses

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form liquid

Colour light yellow

Odour pungent

Safety data

pH no data available

Melting point -15 °C

Boiling point no data available

Flash point 37 °C - closed cup

Ignition temperature no data available

Lower explosion limit no data available

Upper explosion limit no data available

Density 0,830 g/cm³ at 25 °C

Water solubility no data available

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Conditions to avoid

Heat, flames and sparks

Materials to avoid

Oxidizing agents, Alkali metals, Powdered metals, Strong oxidizing agents, Metals, Copper, Amines, Reducing agents, Organic materials, Alcohols, Peroxides, permanganates, e.g. potassium permanganate, acids, Aluminum, Metal oxides, Soluble carbonates and phosphates, Hydroxides

11. TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

no data available

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Signs and Symptoms of Exposure

No nausea, Dizziness, Headache. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects

Health effects: Inhalation: May be harmful if inhaled. Causes respiratory tract irritation. Skin: May be harmful if absorbed through skin. Causes skin irritation. Eyes: Causes eye irritation. Ingestion: Harmful if swallowed. Aspiration hazard if swallowed - can enter lungs and cause damage.

Health effects: Inhalation: May be harmful if inhaled. Causes respiratory tract irritation. Skin: May be harmful if absorbed through skin. Causes skin irritation. Eyes: Causes eye irritation. Ingestion: Harmful if swallowed. Aspiration hazard if swallowed - can enter lungs and cause damage.

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12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

no data available

Ecotoxicity effects

no data available

Further information on ecology

no data available

13. DISPOSAL CONSIDERATIONS

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber. This combustible material, may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

ADR/RID

UN-Number: 3103 Class: 5.2

Proper shipping name: ORGANIC PEROXIDE TYPE C, LIQUID (tert-Butyl Peroxyacetate)

IMDG

UN-Number: 3103 Class: 5.2

EMS-No: F, I, S-R

Proper shipping name

Organic Peroxide type C, liquid (tert-Butyl peroxyacetate)

15. REGULATORY INFORMATION

Labelling according to EC Directives

Hazard symbols

T Toxic

R-phrases(s)

R45 May cause cancer.

R7 May cause fire.

R22 Also harmful if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.

R65 Also harmful: may cause lung damage if swallowed.

S-phrases(s)

S25 Avoid exposure - obtain special instructions before use.

S37/39 Keep container tightly closed in a cool place.

S14 Keep away from heat.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label).

S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Restriction to professional users

Avoid exposure - obtain special instructions before use.

Health effects: Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Health effects: Skin: May be harmful if absorbed through skin. Causes skin irritation.

Health effects: Eyes: Causes eye irritation.

Health effects: Ingestion: Harmful if swallowed.

Further information

For R&D use only. Not for drug, household or other uses.

WARRANTY:

The above information is believed to be correct but does not purport to be all inclusive and our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. LookChem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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16. OTHER INFORMATION

Text of R-phrases mentioned in Section 3

R7 May