

## Chemical Safety Data Sheet



Zhenghua Group

## Section 1 IDENTIFICATION

**GHS Product identifier:** Cumene Neodecacid Peroxide.**Other means of identification:** Cumyl peroxyneodecanoate.**Recommended use of the chemical and restrictions on use:****Supplier's details:****Emergency phone number:** /

## Section 2 HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**

Flammable liquids Category 2

Organic peroxides Type D

Skin corrosion/irritation Category 3

Serious eye damage/eye irritation Category 2A

Specific target organ toxicity, single exposure Category 3 (Narcotic effects)

Aspiration hazard Category 1

Hazardous to the aquatic environment, acute-term hazard Category 2

Hazardous to the aquatic environment, long-term hazard Category 2

**GHS Label elements, including precautionary statements:****Signal word:** Danger**Hazard statement(s):** Highly flammable liquid and vapor. Heating may cause a fire. Causes mild skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.**Precautionary statement(s):****Prevention:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof [electrical/ventilating/lighting/...] equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. Keep only in original container. Keep cool. Wash ...thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment.

**Response:**

In case of fire: Use carbon dioxide, foam or chemical powder to extinguish. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if

you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Collect spillage.

**Storage:**

Store in a well-ventilated place. Keep cool. Protect from sunlight. Store at temperatures not exceeding ...°C/...°F. Store separately. Keep container tightly closed. Store locked up.

**Disposal:**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other hazards which do not result in classification: /**

**Zhenghua Group****Section 3 COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Concentration%
Cumene Neodecacid Peroxide	26748-47-0	75.50%
Isododecane	31807-55-3	24.47%

**Section 4 FIRST AID MEASURES****Description of necessary first aid measures**

**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 ingestion:** Rinse mouth with water. Do not induce vomit. Consult a physician.

**Most important symptoms/effects, acute and delayed: /**

**Indication of immediate medical attention and special treatment needed, if necessary: /**

**Section 5 FIREFIGHTING MEASURES**

**Suitable extinguishing media:** Use alcohol-resistant foam, chemical powder or carbon dioxide.

**Special hazards arising from the chemical:** Liquid and vapour are highly flammable. May explode and burn in high temperature and fire and release toxic fumes.

**Special protective actions for fire-fighters:** Wear self-contained breathing apparatus for firefighting if necessary. Use water spray to cool unopened containers.

**Section 6 ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

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

**Methods and materials for containment and cleaning up:** Contain spillage and collect with pump and place in a clean container for disposal according to local regulations.

**Section 7 HANDLING AND STORAGE**

**Precautions for safe handling:** Wear protective gloves/eye protection/face protection/protective clothing. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition -



No smoking.

**Conditions for safe storage, including any incompatibilities:** Store in cool place. Protect from sunlight. 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. Keep away from flammable materials and oxidizers.

## Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters:** /

**Appropriate engineering controls:** Local exhaust ventilation or a process enclosure ventilation system may be required.

**Individual protection measures**

**Eye/face protection:** Safety glasses with side shields. Chemical goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.

**Skin protection:** Wear chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. rubber. Impervious clothing,

**Respiratory protection:** Selection of the class and type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant.

**Thermal hazards:** /

## Section 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance (physical state, colour etc)</b>	Colorless transparent liquid.
<b>Odour</b>	/
<b>Odour Threshold</b>	/
<b>pH</b>	/
<b>Melting point/freezing point</b>	/
<b>Initial boiling point and boiling range</b>	/
<b>Flash point</b>	≤10°C.
<b>Evaporation rate</b>	/
<b>Flammability (solid, gas)</b>	/
<b>Upper/lower flammability or explosive limits</b>	/
<b>Vapour pressure</b>	/
<b>Vapour density</b>	/
<b>Relative density</b>	/
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient: n-octanol/water</b>	/
<b>Auto-ignition temperature</b>	/
<b>Decomposition temperature</b>	/
<b>Viscosity</b>	/

## Section 10 STABILITY AND REACTIVITY

**Reactivity:** /

**Chemical stability:** This material is stable in normal temperature.

**Possibility of hazardous reactions:** /

**Conditions to avoid:** Spark, high temperature and static electricity.

**Incompatible materials:** Flammable materials and oxidizers.

**Hazardous decomposition products:** Oxycarbides.

## Section 11 TOXICOLOGICAL INFORMATION

**Information on the likely routes of exposure:** Inhaled, swallowed, skin, eyes.

**Symptoms related to the physical, chemical and toxicological characteristics:** /

**Acute health effects:** Accidental ingestion of the material may be harmful and cause cough, dizziness and throat irritation. Oral intake cause bellyache, nausea, vomit and other symptoms. This material may produce skin and eyes irritation.

**Chronic health effects:** /

**Numerical measures of toxicity(such as acute toxicity estimates):**

Isododecane:

LD50(oral, rat): >5000 mg/kg

LD50(dermal, rat): >2000 mg/kg



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## Section 12 ECOLOGICAL INFORMATION

**Toxicity:**

Isododecane:

Endpoint	Test Duration (hr)	Species	Value
NOEC	504	Crustacea	0.025mg/L
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EC50	72	Algae or other aquatic plants	0.53mg/L
NOEC	504	Crustacea	0.097mg/L

**Persistence and degradability:** /

**Bioaccumulative potential:** /

**Mobility in soil:** /

**Other adverse effects:** /

## Section 13 DISPOSAL CONSIDERATIONS

**Disposal methods:** Burial in a land-fill specifically licensed to accept chemical. Reuse of broken container is forbidden.

## Section 14 TRANSPORT INFORMATION

**UN number:** 3115.

**UN proper shipping name:** ORGANIC PEROXIDE TYPE D, LIQUID, TEMPERATURE CONTROLLED.

**Transport hazard class(es):** 5.2.

**Packing group, if applicable:** /

**Environmental hazards:** Marine pollutant.

**Special precautions for user:** /

## Section 15 REGULATORY INFORMATION

**Regulations:** This safety data sheet is in compliance with the following national standards: GB/T 16483-2008, GB 13690-2009, GB 18218-2009, GB 15258-2009, GB 6944-2012, GB 190-2009, GB/T 191-2008, GB 12268-2012, GA 57-1993, GB/T 15098-2008, GBZ 2.1-2007, GBZ 2.2-2007 as well as the following national regulations: Dangerous Goods Transport Administrative Regulation [Published by the

