

MSDS

Material Safety Data Sheet

Date prepared: Sep 5, 2012

Date revised: N/A (first edition)

Section 1 - General Information

Chemical Name: Cyclohexanone-2,4-DNPH
CAS Reg. Number: 1589-62-4
Catalog Number: 1ST1032
Manufacturer's Name: A Chemtek, Inc.
100 Barber Avenue
Worcester, MA 01606, USA
Telephone Number: 508-471-4121
Fax Number: 508-845-9201
For R & D use only

Section 2 - Hazardous Ingredients/Identity Information

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

This substance is not classified as dangerous according to Directive 67/548/EEC.

Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Eyes: May cause eye irritation.
Ingestion: May be harmful if swallowed..

Section 3 - Composition/Information on Ingredients

Formula: $C_{12}H_{14}N_4O_4$
Molecular Weight: 278.26g/mol
CAS-No. 1589-62-4

Section 4 - First Aid Measures

If inhaled

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

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Section 5 - Fire-Fighting Measures

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Section 6 - Accidental Release Measures

Personal precautions

Avoid dust formation

Environmental precautions

Do not let product enter drains.

Methods for cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

Handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage

Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

Section 8 - Exposure Controls/Personal Protection

Contains no substances with occupational exposure limit values

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Personal protective equipment

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

For prolonged or repeated contact use protective gloves

Eye protection

Safety glasses

Hygiene measures

General industrial hygiene practice

Section 9 - Physical and Chemical Properties

Appearance:

Form	Solid
Color	Yellow

Safety data

pH:	not available
Melting point:	159-160°C-lit
Boiling point:	not available
Flash point:	not available
Ignition temperature:	not available
Lower explosion limit:	not available
Upper explosion limit:	not available
Water solubility:	not available

Section 10 - Stability and Reactivity

Storage stability

Stable under recommended storage conditions

Materials to avoid

Strong oxidizing agents, Strong bases, Strong acids

Hazardous decomposition products

Other decomposition products - no data available

Section 11 - Toxicological Information

Acute toxicity:

not available

Irritation and corrosion:

not available

Sensitization:

not available

Respiratory or skin sensitization:

not available

Chronic exposure

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.

Potential health effects

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Skin:	May be harmful if absorbed through skin. May cause skin irritation.
Eyes:	May cause eye irritation.
Ingestion:	May be harmful if swallowed.

Section 12 - Ecological Information

Elimination information (persistence and degradability)

not available

Ecotoxicity effects:

not available

Further information on ecology:

not available

Section 13 - Disposal Considerations

Product

Offer surplus and non-recyclable solutions to a licensed disposal company

Contaminated packaging

Dispose of as unused product.

Section 14- Transport Information

DOT (US):

Not dangerous goods

IMDG:

Not dangerous goods

IATA:

Not dangerous goods

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Section 15 - Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Section 16 - Other Information

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. A Chemtek shall not be held liable for any damage resulting from handling or from contact with the above product.

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