

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


Product name : 3,5-Heptanedione

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No1272/2008  
Flammable liquids (Category 3)  
This substance is not classified as dangerous according to Directive 67/548/EEC.

Label elements

Pictogram	
Signal word	Warning
Hazard statement(s)	
H226	Flammable liquid and vapour.
Precautionary statement(s)	none
Other hazards	- none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : C7H12O2  
Molecular Weight : 128,17 g/mol

CAS-No.	EC-No.	Classification	Concentration
<b>Heptane-3,5-dione</b> 7424-54-6	231-054-5	- Flam. Liq. 3; H226	-

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

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.

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 fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**  
Avoid breathing vapors, mist or gas.

**Environmental precautions**  
Do not let product enter drains.

**Methods and materials for containment and cleaning up**  
Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

**Precautions for safe handling**  
Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

**Conditions for safe 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**  
For prolonged or repeated contact use protective gloves.  
**Eye protection**  
Safety glasses with side-shields conforming to EN166  
**Hygiene measures**  
General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	
Form	clear, liquid
Colour	dark yellow
<b>Safety data</b>	
pH	no data available
Melting point	no data available
Boiling point	175 - 177 °C at 1.005 hPa - lit.
Flash point	57,2 °C - closed cup
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Density	0,946 g/cm3 at 25 °C
Water solubility	no data available

10. STABILITY AND REACTIVITY

**Chemical stability**  
Stable under recommended storage conditions.  
**Conditions to avoid**  
no data available  
**Materials to avoid**  
Strong oxidizing agents  
**Hazardous decomposition products**  
Hazardous decomposition products formed under fire conditions. - Carbon oxides

11. TOXICOLOGICAL INFORMATION

**Acute toxicity**  
no data available  
**Skin corrosion/irritation**  
no data available  
**Serious eye damage/eye irritation**  
no data available  
**Respiratory or skin sensitization**  
no data available  
**Germ cell mutagenicity**  
no data available  
**Carcinogenicity**  
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.  
**Reproductive toxicity**  
no data available  
**Specific target organ toxicity - single exposure**  
no data available  
**Specific target organ toxicity - repeated exposure**  
no data available  
**Aspiration hazard**  
no data available  
**Potential health effects**  

<b>Inhalation</b>	May be harmful if inhaled. May cause respiratory tract irritation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin</b>	May be harmful if absorbed through skin. May cause skin irritation.
<b>Eyes</b>	May cause eye irritation.

  
**Signs and Symptoms of Exposure**  
  
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.  
**Additional Information**  
RTECS: Not available

12. ECOLOGICAL INFORMATION

**Toxicity**  
no data available  
**Persistence and degradability**  
no data available  
**Bioaccumulative potential**  
no data available  
**Mobility in soil**  
no data available  
**PBT and vPvB assessment**  
no data available  
**Other adverse effects**  
no data available

13. DISPOSAL CONSIDERATIONS

**Product**  
This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.  
**Contaminated packaging**  
Dispose of as unused product.

14. TRANSPORT INFORMATION

<b>ADR/RID</b>		
UN-Number: 1224 Class: 3	Packing group: III	
Proper shipping name: KETONES, LIQUID, N.O.S. (Heptane-3,5-dione)		
<b>IMDG</b>		
UN-Number: 1224 Class: 3	Packing group: III	EMS-No: F-E, S-D
Proper shipping name: KETONES, LIQUID, N.O.S. (Heptane-3,5-dione)		
Marine pollutant: No		
<b>IATA</b>		
UN-Number: 1224 Class: 3	Packing group: III	
Proper shipping name: Ketones, liquid, n.o.s. (Heptane-3,5-dione)		

15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

Text of H-code(s) and R-phraser(s) mentioned in Section 3

Flam. Liq.	Flammable liquids
H226	Flammable liquid and vapour.

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



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WARRANTY:  
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of 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.