



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name : Lycopene

CAS No. : 502-65-8

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, manufacture of substances.

1.3 Details of the supplier of the safety data sheet

Company: Aurora Industry Co.,Ltd.

Tel: 0411-82288674

Address: Room 7033, No.9-1, Haifu Road, Dalian Free Trade Zone, China

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Acute toxicity,oral Category 3 – H301

Acute toxicity,dermal Category 3 – H311

Acute toxicity,inhalation Category 3 – H331

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008



Signalword Danger

Hazard statement(s)

H301 Toxic if swallowed

H311 Toxic in contact with skin

H331 Toxic if inhaled.

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P305 + P351 IF IN EYES: Rinse cautiously with water for several minutes.

P310 Immediately call a POISON CENTRE or doctor if you feel unwell.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. COMPOSITION/INFORMATION ON INGREDIENTS




Product Number: AS112064

Substance Name:Lycopene

CAS: 502-65-8

Formula: C40H56

MW: 536.87

Component	Classification	Structure	Concentration
Lycopene	Acute toxicity,oral Category 3 – H301 Acute toxicity,dermal Category 3 – H311 Acute toxicity, inhalation Category 3 – H331		<= 100%

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

4. FIRSTAID MEASURES

4.1 Description of 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 Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture Carbon

Carbon oxides

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus for fire fighting if necessary.

5.4 Further information No data available



6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
- 6.2 Environmental precautions Do not let product enter drains.
- 6.3 Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed Containers for disposal.
- 6.4 Reference to other sections For disposal see section 13.

7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
- 7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed. Storage Temperature:
ICE Cooling during Transport | 2-7°C Refrigerate
- 7.3 Specific end uses No data available

8. EXPOSURE CONTROLS

- 8.1 Control parameters
Components with workplace control parameters Contains no substances with occupational exposure limit values.
- 8.2 Exposure controls
Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal protective equipment
Eye/face protection Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.



Body Protection impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL/CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- a) Appearance/Form: solid Colour: red to Very Dark red and red-brown and Very Dark red-brown
- b) Odour: No data available
- c) Melting point/freezing point range: No data available
- d) Initial boiling point and boiling range: No data available
- e) Flash point: No data available
- f) Flammability (solid, gas): No data available
- g) Upper/lower flammability/ explosive limits: No data available
- h) Auto ignition temperature: No data available
- i) Explosive properties: No data available
- j) Oxidizing properties: No data available

9.2 Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity No data available

10.2 Chemical stability No data available

10.3 Possibility of hazardous reactions No data available

10.4 Conditions to avoid No data available

10.5 Incompatible materials Strong oxidizing agents

10.6 Hazardous decomposition products Other decomposition products

No data available

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

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 presents 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 Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Potential health effects

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

Ingestion: May be harmful if swallowed.

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

Eyes: Causes serious 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

12.1 Toxicity: No data available

12.2 Persistence and degradability: No data available

12.3 Bio accumulative potential: No data available

12.4 Mobility in soil: No data available

12.5 Results of PBT and vPvB assessment: No data available

12.6 Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

14. TRANSPORT INFORMATION

14.1. UN number or ID number

ADR/RID: IMDG: IATA:

14.2. UN proper shipping name

ADR/RID: IMDG: IATA:

14.3. Transport hazard class(es)

ADR/RID: IMDG: IATA:

14.4. Packing group

ADR/RID: IMDG: IATA:

14.5. Environmental hazards

ADR/RID: No IMDG Marine Pollutant : No IATA: No

14.6. Special precautions for user



No Data Available

15. REGULATORY INFORMATION

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

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

15.2 Chemical Safety Assessment: No data available

16. OTHER INFORMATION

DISCLAIMER FOR R&D USE ONLY- NOT FOR DRUG, HOUSEHOLD OR OTHER USES

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Department

Aurora Industry Co.,Ltd.

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. We make no warranty of merchant ability or any other warranty, express or implied, with respect to such information and we assume no liability resulting from its use. User should make their own investigation to determine the suitability of the information for their particular purpose. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequent or exemplary damages, however arising from using the above information.