



DSL Chemicals (Shanghai) Co., Ltd

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MATERIAL SAFETY DATA SHEET

Version 2.0

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Section 1 - Product and Company Information

Product Name: 2-Ethyl-4-Methylimidazole

Product Number: C008691

Company: DSL Chemicals (Shanghai) Co., Ltd.

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Section 2 - Composition, Information on Ingredients

Substance Name

CAS #

2-Ethyl-4-Methylimidazole

931-36-2

Formula: C₆H₁₀N₂

Molecular Weight: 110.16g/mol

Section 3 - Hazards Identification

GHS classification

PHYSICAL HAZARDS

Not classified

HEALTH HAZARDS

Acute toxicity (Oral)

Category 4

Skin corrosion/irritation

Category 2

Serious eye damage/eye irritation

Category 1

ENVIRONMENTAL HAZARDS

Not classified

GHS label elements, including precautionary statements



Pictograms or hazard symbols

Signal word

Danger

Hazard statements

Harmful if swallowed

Causes skin irritation

Causes serious eye damage

Precautionary statements:

[Prevention]

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

Wear protective gloves/eye protection/face protection.

[Response]

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Rinse mouth.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

IF ON SKIN: Gently wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

Immediately call a POISON CENTER or doctor/physician.

[Disposal]

Dispose of contents/container through a waste management company authorized by the local government.

Section 4 - First Aid Measures

Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Immediately call a POISON CENTER or doctor/physician.

Skin contact:

Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician.

Eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Ingestion:

Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Protection of first-aiders:

A rescuer should wear personal protective equipment, such as rubber gloves and airtight goggles.

Section 5 - Fire Fighting Measures

Suitable extinguishing media:

Dry chemical, foam, water spray, carbon dioxide.

Specific hazards arising from the chemical:

Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.

Precautions for firefighters:

Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so.

Special protective equipment for firefighters:

When extinguishing fire, be sure to wear personal protective equipment.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Keep people away from and upwind of spill/leak.

Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

Environmental precautions: Prevent product from entering drains.

Methods and materials for containment and cleaning up:

Sweep dust to collect it into an airtight container, taking care not to disperse it.

Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

Section 7 - Handling and Storage

Precautions for safe handling

Technical measures:

Handling is performed in a well ventilated place. Wear suitable protective equipment.

Prevent dispersion of dust. Wash hands and face thoroughly after handling.

Use a local exhaust if dust or aerosol will be generated.

Advice on safe handling:

Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities
Storage conditions:
Keep container tightly closed. Store in a cool and dark place.
Store under inert gas.
Store away from incompatible materials such as oxidizing agents.
Air-sensitive
Packaging material:
Comply with laws.

Section 8 - Exposure Controls, Personal Protection

Engineering controls:
Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.
Personal protective equipment
Respiratory protection:
Dust respirator. Follow local and national regulations.
Hand protection:
Protective gloves.
Eye protection:
Safety glasses. A face-shield, if the situation requires.
Skin and body protection:
Protective clothing. Protective boots, if the situation requires.

Section 9 - Physical and Chemical Properties

Appearance:
Form: Viscous liquid or crystals
Color: Light yellow
Odour: No data available
pH: No data available
Melting point/freezing point: 40°C
Boiling point/range: 164°C/2.7kPa
Flash point: No data available
Flammability or explosive limits:
Lower: No data available
Upper: No data available
Relative density: No data available
Solubility (ies):
[Water] No data available
[Other solvents] No data available
Autoignition temperature: 481°C

Section 10 - Stability and Reactivity

Chemical stability:
Stable under proper conditions.
Possibility of hazardous reactions:
No special reactivity has been reported.
Incompatible materials:
Oxidizing agents
Hazardous decomposition products:
Carbon monoxide, Carbon dioxide, Nitrogen oxides (NOx)

Section 11 - Toxicological Information

Acute Toxicity: ipr-mus LDLo: 250 mg/kg
Skin corrosion/irritation: No data available
Serious eye damage/irritation: No data available

Germ cell mutagenicity: No data available
Carcinogenicity:
IARC = No data available
NTP = No data available
Reproductive toxicity: No data available
RTECS Number: NI6147500

Section 12 - Ecological Information

No data available

Section 13 - Disposal Considerations

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system.

Observe all federal, state and local regulations when disposing of the substance.

Section 14 - Transport Information

Hazards Class: Does not correspond to the classification standard of the United Nations
UN-No: Not listed

Section 15 - Regulatory Information

Regulations on the Control over Safety of Dangerous Chemicals (State Council announces on January 26, 2002 and revised on February 16, 2011): Safe use and production, the storage of a dangerous chemical, transport, loading and unloading were prescribed.

Section 16 - Additional Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.