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MATERIAL SAFETY DATA SHEET (MSDS)

According to OSHA HCS / UN GHS

CITRONITRILE - SYMRISE

(3-Methyl-5-phenylpent-2-enenitrile)

SECTION 1: IDENTIFICATION

Product Name: Citronitrile

CAS Number: 93893-89-1

Recommended Use:

Fragrance ingredient (industrial / professional use only)

Restriction:

For manufacturing use only

Supplier:

AROMOLOGY

G05 Alghazal Building

Nadd Al Hamar

Dubai, United Arab Emirates

Email: info@aromology.com

Website: www.aromology.com

SECTION 2: HAZARD IDENTIFICATION

GHS Classification

- Acute Toxicity (Oral) – Category 4
- Acute Toxicity (Inhalation) – Category 4
- Acute Toxicity (Dermal) – Category 5
- Respiratory Sensitisation – Category 1

Signal Word:

DANGER



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Hazard Statements

- Harmful if swallowed
 - Harmful if inhaled
 - May be harmful in contact with skin
 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
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Precautionary Statements

Prevention

- P261 – Avoid breathing vapours
- P264 – Wash thoroughly after handling
- P270 – Do not eat, drink or smoke when using this product
- P285 – In case of inadequate ventilation wear respiratory protection

Response

- P301 + P312 – IF SWALLOWED: Call POISON CENTER if unwell
- P304 + P340 – IF INHALED: Move to fresh air
- P342 + P311 – If experiencing respiratory symptoms: Call a doctor
- P302 + P352 – IF ON SKIN: Wash with soap and water

Storage & Disposal

- Store away from incompatible materials
 - Dispose according to local regulations
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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance	CAS	Concentration
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Citronitrile	93893-89-1	100%
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SECTION 4: FIRST AID MEASURES

Inhalation:

Move to fresh air and keep comfortable. Provide oxygen if necessary.



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Skin Contact:

Remove contaminated clothing and wash thoroughly with soap and water.

Eye Contact:

Rinse cautiously with water. Seek medical attention if irritation persists.

Ingestion:

Rinse mouth. Do NOT induce vomiting. Seek immediate medical attention.

Key Symptoms:

- Difficulty in breathing

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media:

Water spray, fog, CO₂, dry chemical, foam

Hazards:

May produce toxic and corrosive gases during combustion

Protection:

Use full protective gear and self-contained breathing apparatus

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Eliminate ignition sources
- Avoid inhalation and skin contact
- Absorb with inert material (sand, clay)
- Prevent entry into drains or environment

SECTION 7: HANDLING AND STORAGE

Handling:

- Avoid contact with skin, eyes, and clothing
- Avoid inhalation
- Use grounded equipment
- Prevent static discharge

Storage:



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- Store in cool, well-ventilated area
- Keep container tightly closed
- Keep away from heat and ignition sources

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

No established occupational exposure limits

PPE:

- Safety goggles
- Chemical-resistant gloves
- Protective clothing

Respiratory Protection:

Use if ventilation is insufficient

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Physical State	Liquid
Odour	Characteristic
Flash Point	>93.3 °C
Boiling Range	Not available
Density	~0.89
Vapour Pressure	0.0006 mmHg
Auto-ignition	~309–310 °C
Solubility	Insoluble in water

SECTION 10: STABILITY AND REACTIVITY

- Stable under normal conditions
- Avoid heat and oxidising agents



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- No hazardous reactions expected
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SECTION 11: TOXICOLOGICAL INFORMATION

Parameter	Value
LD50 Oral (rat)	~531.9 mg/kg
LD50 Dermal (rabbit)	>2000 mg/kg

Effects:

- Harmful if inhaled or swallowed
 - Respiratory sensitisation risk
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SECTION 12: ECOLOGICAL INFORMATION

- Not classified as environmentally hazardous
 - Not readily biodegradable (~38%)
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SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with local regulations.
Do not release into drains or environment.

SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous goods for transport (ADR / IMDG / IATA)

SECTION 15: REGULATORY INFORMATION

- Classified as hazardous chemical under OSHA
 - Not listed under major regulatory restrictions
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SECTION 16: OTHER INFORMATION

This MSDS is based on supplier data and is believed to be accurate at the time of preparation.
No warranty expressed or implied.