



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION:

**PRODUCT CODE** A0155  
**PRODUCT NAME** TRANS, CIS-2,6-NONADIENOL  
**SUPPLIER** Shanghai M & U International Trade Co., Ltd.  
Rm 1717, No 598 North NuJiang Road  
200333 Shanghai, China  
+86-21-32515501 32515502  
sales@mu-intel.com

**FOR EMERGENCIES CALL CHEMTREC: 800-424-9300 (24-HOURS)**

### 2. HAZARD IDENTIFICATION:

**Classification of the substance or mixture**

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Skin irritation (Category 2), H315

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

**GHS Label elements, including precautionary statements**

Pictogram



Signal word Warning

Hazard statement(s)

H315 Causes skin irritation

Precautionary statement(s)

P264 Wash skin thoroughly after handling

P280 Wear protective gloves

P302 + P352 IF ON SKIN: Wash with plenty of soap and water

P321 Specific treatment (see supplemental first aid instructions on this label)

P332 + P313 if skin irritation occurs: Get medical advice/ attention

P362 Take off contaminated clothing and wash before reuse

**Hazards not otherwise classified (HNOC) or not covered by GHS - none**

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS:

Formula	C <sub>9</sub> H <sub>16</sub> O
Molecular Weight	140.22 g/mol
CAS-No	28069-72-9
EC-No	248-816-8

#### 4. FIRST-AID GUIDE:

##### **Description of first aid measures**

##### **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area

##### **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**

Flush eyes with water as a precaution

##### **If swallowed**

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

##### **Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

##### **Indication of any immediate medical attention and special treatment needed**

No data available

#### 5. FIRE-FIGHTING GUIDE:

##### **Extinguishing media**

##### **Suitable extinguishing media**

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

##### **Special hazards arising from the substance or mixture**

Carbon oxides

##### **Advice for firefighters**

Wear self contained breathing apparatus for firefighting if necessary

**Further information**

No data available

**6. ACCIDENTAL RELEASE GUIDE:****Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

For personal protection see section 8

**Environmental precautions**

Do not let product enter drains

**Methods and materials for containment and cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal

**Reference to other sections**

For disposal see section 13

**7. HANDLING AND STORAGE:****Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Normal measures for preventive fire protection. For precautions see section 2

**Conditions for safe storage, including any incompatibilities**

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. Recommended storage temperature: 2 - 8 °C

**Specific end use(s)**

Apart from the uses mentioned in section 2 no other specific uses are stipulated

**8. EXPOSURE AND PERSONAL PROTECTION:****Control parameters****Components with workplace control parameters**

Contains no substances with occupational exposure limit values

**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

### 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

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose 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)

### Control of environmental exposure

Do not let product enter drains

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

### Information on basic physical and chemical properties

Appearance Form	liquid
Color	colorless
Odor	no data available
Odor Threshold	no data available
Ph	no data available
Melting point/freezing point	no data available
Initial boiling point and boiling range	96 - 100 °C (205 - 212 °F) - lit
Flash point	95 °C (203 °F) - closed cup
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapor pressure	no data available
Vapor density	no data available
Relative density	0.873 g/cm <sup>3</sup> at 25 °C (77 °F)
Water solubility	no data available
Partition coefficient: n-octanol/ water	no data available
Auto-ignition temperature	no data available

Decomposition temperature

no data available

Viscosity

no data available

Explosive properties

no data available

Oxidizing properties

no data available

**Other safety information**

No data available

**10. STABILITY AND REACTIVITY:**

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions

**Possibility of hazardous reactions**

No data available

**Conditions to avoid**

No data available

**Incompatible materials**

Strong acids, Bases, Oxidizing agents

**Hazardous decomposition products**

Other decomposition products - no data available

In the event of fire: see section 5

**11. TOXICOLOGICAL INFORMATION:**

**Information on toxicological effects**

**Acute toxicity**

LD50 Oral - mouse - > 5,000 mg/kg

Inhalation: no data available

LD50 Dermal - guinea pig - > 5,000 mg/kg

No data available

**Skin corrosion/irritation**

Skin - guinea pig

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

IARC

No components of this product present at levels greater than or equal to 0.1% is identified as probable, Possible or confirmed human carcinogen by IARC

ACGIH

No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH

NTP

No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP

OSHA

No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA

**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

**Additional Information**

RTECS: RA5394000

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

**12. ECOLOGICAL INFORMATION:****Toxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**

No data available

**13. DISPOSAL RECOMMENDATIONS:**

**Waste treatment methods**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material

**Contaminated packaging**

Dispose of as unused product

**14. TRANSPORTATION INFORMATION:**

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**15. REGULATORY INFORMATION:**

**REACH No.**

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline

**SARA 302 Components**



SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

**SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

**SARA 311/312 Hazards**

Acute Health Hazard

**Massachusetts Right to Know Components**

No components are subject to the Massachusetts Right to Know Act

**Pennsylvania Right to Know Components**

(2E,6Z)-Nona-2,6-dien-1-ol	CAS-No
	28069-72-9

**New Jersey Right To Know Components**

(2E,6Z)-Nona-2,6-dien-1-ol	CAS-No
	28069-72-9

**California Prop 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm

**16. OTHER INFORMATION:**

The information in this MSDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond M&U's control, it is the responsibility of the user both to determine safe conditions for use of this product and to assume liability for loss, damage, or expense arising out of the products improper use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission in the MSDS. Various federal, state, or provincial agencies may have specific regulations concerning the transportation, handling, storage, use, or disposal of this product which may not be reflected in the MSDS. The user should review these regulations to ensure full compliance.