



## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

#### 1.1 Product identifiers

**Product name:** 1,3,5-Tri-tert-butylbenzene

**CAS No.:** [ 1460-02-2 ]

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

**Identified uses :** Used for laboratory research purpose, not for drug or household use.

#### 1.3 Details of the supplier of the safety data sheet

**Company:** Speranza Chemical Co.,Ltd.

**Company Add. :** 18F,Yingfeng Center,No. 6 Yinwei Road. Longgang Dis.518000  
Shenzhen.P.R.China.

**Telephone:** +86-(0)755-21030354

**E-mail:** info@speranzachem.com

#### 1.4 Emergency telephone number

**Emergency Phone:** +86-18520809616

### 2. HAZARDS IDENTIFICATION

#### 2.1 GHS Classification

Skin irritation (Category 2)

Eye irritation (Category 2)

STOT SE (Category 3)

#### 2.2 GHS Label elements, including precautionary statements

**Pictograms or hazard symbols:**



**Signal word:** Warning

#### Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

#### Precautionary statements:

Prevention:

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

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated place.



- P280 Wear protective gloves/protective clothing/eye protection/face protection.  
Response  
:  
P312 Call a POISON CENTER or doctor/physician if you feel unwell  
P362 Take off contaminated clothing and wash it before reuse.  
P302 +P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 +P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

Storage:

- P403 + P233 Store in a well-ventilated place. Keep the container closed.  
P405 Store locked up.

Disposal:

- P501 Dispose of contents/container to an approved waste plant.

### 2.3 Other hazards which do not result in classification

To the best of our knowledge, the health hazards of this product have not been fully investigated.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Substance/ mixture:</b>	Substance
<b>Chemical Name:</b>	1,3,5-Tri-tert-butylbenzene
<b>Percent:</b>	≥98.0%
<b>CAS No.:</b>	1460-02-2
<b>EINECS No.:</b>	215-952-4
<b>Formula:</b>	C <sub>8</sub> H <sub>30</sub>
<b>Molecular Weight:</b>	246.43g/mol

## 4. FIRST AID MEASURES

### 4.1 Description of first aid

#### measures General advice

Move victim out of dangerous area. Show this safety data sheet to the doctor in attendance.  
Get medical advice/attention.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Get immediate medical attention.

#### In case of skin contact

Remove and isolate contaminated clothing and shoes. Wash off with soap and plenty of water.

#### In case of eye contact

Flush eyes with plenty of water for at least 15 minutes as a precaution, consult a doctor.

#### If swallowed

If a person vomits place them in the recovery position so that vomit will not reenter the mouth and throat. Rinse mouth. Seek medical advice immediately.



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### 4.2 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 alcohol-resistant foam, dry chemical or carbon dioxide.

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

Carbon oxides

### 5.3 Advice for firefighters

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. Refer to section 8. Avoid dust formation. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Ensure adequate ventilation.

### 6.2 Environmental precautions

Do not let product enter sewers, basements or confined areas.

### 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal. 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.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

### 7.3 Specific end uses

No data available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### 8.3 Personal protective equipment

#### Eye/face protection

Safety glasses with side-shields for eye protection tested and approved under appropriate government standards.



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### Skin protection

Handle with gloves. 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

Lab coat; The type of body protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Use dust respirators and components tested and approved under appropriate government standards where protection from nuisance levels of dusts.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

- a) Appearance: Form: solid    Colour: Off-white solid
- b) Odour: No data available
- c) Odour Threshold: No data available
- d) pH: No data available
- e) Melting point/freezing point: No data available
- f) Initial boiling point and boiling range: No data available
- g) Flash point:    no data available
- h) Evaporation rate: no data available
- i) Flammability (solid, gas): no data available
- j) Upper/lower flammability or explosive limits: no data available
- k) Vapour pressure:    no data available
- l) Vapour density: No data available
- m) Relative density: No data available
- n) Water solubility: no data available
- o) Partition coefficient: n- octanol/water: no data available
- p) Autoignition temperature: no data available
- q) Decomposition temperature: no data available
- r) Viscosity: no data available
- s) Explosive properties: no data available
- t) Oxidizing properties: no data available

### 9.2 Other safety information

No data available.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available



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### 10.2 Chemical stability

Stable under recommended storage conditions.

### 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 - Carbon oxides.

## 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

No data available.

### 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

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

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability



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No data available

### 12.3 Bioaccumulative 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

### Waste disposal

**Discarded products:** Conform to the standards provided by related laws and local public bodies. Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Especially in the light of the time to pay attention, since this mixture is highly flammable, leave the remaining and non-recyclable solutions to a licensed company.

**Contaminated packing:** recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.

### Waste disposal precautions

Before disposal should refer to local and national regulations. Avoid polluting environment during the disposal process.

## 14. TRANSPORT INFORMATION

**This product is not a hazardous substance.**

**14.1 UN number** Not regulated as hazardous goods.

### 14.2 UN proper shipping name

Not regulated as hazardous goods.

### 14.3 Transport hazard class(es)

Not regulated as hazardous goods.

**14.4 Packaging group** Not regulated as hazardous goods.

### 14.5 Environmental hazards

**ADR/RID:** No

**IMDG:** -

**IATA:** -No

### 14.6 Special precautions for user

No data available

## 15. REGULATORY INFORMATION

a) **Industrial Safety and Health Act:** no data

b) **Chemical Control Act:** no data

c) **Dangerous Substances Safety Management Act:** no data

d) **Waste Management Act:** no data

e) **Other requirements in domestic and other countries:** no data



深圳普兰达化工有限公司

Speranza Chemical Co., Ltd.

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### 16. OTHER INFORMATION

#### Revision Information

Issued Date: 17.Apr., 2023

Version Number: 2.0

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. Speranza Chemical Co.,Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product. .

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