



## Safety Data Sheet

### Section 1 – Identification of the substance/preparation and of the company/undertaking

#### Identification of the substance or mixture

Product name: Tris (hydroxymethyl)aminomethane

Catalog number: 600-127-\*\*

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

#### Company details

Wisent Inc.

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### Section 2 – Hazards identification

#### GHS- Classification

##### **Respiratory sensitisation**

Not a hazardous substance or mixture

##### **Skin sensitisation**

Not a hazardous substance or mixture

##### **Hazard statements**

None

### Section 3 – Composition/Information on ingredients

No components need to be disclosed according to the applicable regulations.

Component	CAS #	-CE#	Concentration
Tris (hydroxymethyl) aminomethane	77-86-1	-	-

### Section 4 – First aid measures

#### **Ingestion**

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

#### **Inhalation**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**Skin contact**

Rinse with plenty of soap and water. Consult a physician.

**Eye contact**

Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

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

The most important known symptoms and effects are described in the labelling.

**Information for doctor**

No data available

**Section 5 – Firefighting measures**

**Extinguishing media**

**Suitable extinguishing media**

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

**Unsuitable extinguishing media**

No data available

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

Keep product and empty container away from heat and sources of ignition.

**Hazardous Combustion Products**

Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO) Carbon dioxide (CO<sub>2</sub>).

**Advice for fire-fighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Section 6 – Accidental release measures**

**Personal precaution, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas.

**Methods and material for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Environmental precautions**

Do not let product enter drains.

**Section 7 – Handling and storage**

**Precaution for safe handling**

Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

**Condition for safe storage, including any incapability**

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

## Section 8 – Exposure controls/personal protection

### **Control parameters**

#### **Exposure limits**

Contains no substances with exposure limit values.

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

### **General protective and hygienic measures**

#### **Hand 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.

#### **Eye protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### **Breathing equipment**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Skin and body protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### **Hygiene measures**

General industrial hygiene practice.

### **Environmental exposure controls**

Do not let product enter drains.

## Section 9 – Physical and chemical properties

### **Information on basic physical and chemical properties**

Appearance	Solid , White
Odour	No data available
Odour Threshold	No data available
pH	10-11.5 1% aq. Sol
Melting point/ freezing point	168.5 °C / 335.3 °F
Boiling point	219 - 220 °C / 426.2 - 428 °F @ 10 mmHg

Flash point	No data available
Auto ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Evaporation rate	No data available
Flammability	No data available
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Relative vapour density	No data available
Specific gravity	No data available
Water Solubility	550 g/L (25°C)
Solubility (solvents)	No data available
Partition coefficient	No data available
Explosive properties	No data available
Oxidizing properties	No data available

#### Section 10 – Stability and reactivity

##### **Reactivity**

No data available

##### **Chemical stability**

Stable under recommended storage conditions.

##### **Possibility of hazardous reactions**

No data available

##### **Condition to avoid**

Exposure to moist air or water.

##### **Incompatible materials**

Bases, Strong oxidizing agents, Metals, copper

##### **Hazardous decomposition products**

Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>).

#### Section 11 – Toxicological information

##### **Information on toxicological effects**

##### **Acute toxicity**

No data available

##### **Principal Routes of Exposure**

##### **Skin corrosion/Irritation**

No data available

**Sensitization**

No data available

**STOT - Single Exposure**

No data available

**STOT - Repeated Exposure**

No data available

**Carcinogenicity**

Did not show carcinogenic effects in animal experiments.

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

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

**Mutagenicity**

No data available

**Reproductive toxicity**

Did not show teratogenic effects in animal experiments. No impairment of reproductive performance suspected.

**Aspiration hazard**

No data available

**Section 12 –Ecological information**

**Ecotoxicity**

Do not empty into drains.

**Persistence and degradability**

Soluble in water Persistence is unlikely based on information available

**Behaviour in environmental systems**

**Bioaccumulative potential**

No data available

**Results of PBT and vPvB assessment PBT/vPvB assessment**

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

**Other adverse effects**

Discharge into the environment must be avoided.

**Section 13 – Disposal considerations**

**Waste treatment methods**

Offer surplus and non-recyclable solutions to a licensed disposal company.

Dispose of as unused product.

**Section 14 – Transport information**

**DOT (US)**



Not regulated as dangerous

**IATA**

Not regulated as dangerous

**IMDG**

Not regulated as dangerous

### **Section 15 – Regulatory information**

#### **WHMIS Classification**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

### **Section 16 – Other information**

MSDS Date of revision: February 2023

For research use only. Not use for diagnostic procedures.

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.