

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS Product Identifier

Product name: TRŪSANA™

Other means of Identification

Synonyms: None

Recommended use of the chemical and restrictions on use

Recommended use: PROFESSIONAL USE ONLY

Uses advised against: Do not use outside of manufacturers instructions

Suppliers details

Supplier Address: THE MYERSON LLC
5106 RAVENSWOOD AVE
CHICAGO ILLINOIS 60640

Emergency Telephone number 800-423-2683

SAFETY DATA SHEET

SECTION 2. HAZARD IDENTIFICATION

Classification of the substance or mixture**Classification according to Regulation (EC) No 1272/2008**

Skin sensitization (Category 1), H317

Reproductive toxicity (Category 2), H361

Chronic aquatic toxicity (Category 2), H411

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

Labelling according Regulation (EC) No 1272/2008

Pictogram

Signal word : WARNING

Hazard Statements

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H319: May cause serious eye irritation

H335: May cause respiratory irritation

H413: May cause long lasting harmful effect to aquatic life

Precautionary statement(s)

P280 Wear protective gloves, protective clothing, eye protection and face protection

SAFETY DATA SHEET

SECTION 3. COMPOSITION /INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight
Methacrylate Oligomer	Proprietary	50 – 80%
Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide	75980-60-8	1 – 5%
Methacrylate Monomer	Proprietary	5 – 20%
Methacrylated Carboxylic Acid	Proprietary	10 - 25%

SECTION 4. FIRST AID MEASURES

Description of necessary first- aid measures

Use first aid treatment according to the nature of the injury. Never give anything by mouth to an unconscious person. When symptoms persist or in all cases of doubt, seek medical advice.

Eye contact:

Rinse thoroughly with water, also under the eyelids. Keep your eyes wide open while rinsing. If irritation develops or persists, seek medical attention .

Skin contact:

Wash skin with soap and water. Get medical attention if irritation develops.Wash contaminated clothing before reuse.

Inhalation :

Remove from exposure, lie down. Artificial respiration may be necessary. Seek medical attention

Ingestion

Not an expected route of exposure. Never give anything by mouth to an unconscious person.

IF SWALLOWED: Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Self-protectIOn of the first aider Pay attention to self-protection. Remove all sources of ignition.

Use personal protection recommended in Section 8.

SAFETY DATA SHEET

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water spray (fog). Carbon dioxide (CO₂). Foam. Dry chemicals. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical:

May be ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to the source of igni/on and flash back. Flash back is possible over a considerable distance. Thermal decomposition can lead to release of irrita/ng and toxic gases and vapors. Contents under pressure. Aerosol cans may explode in a fire.

Hazardous combustion products: Carbon oxides

Explosion data : None

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: May be ignited by heat, sparks or flames. All equipment used when handling must be grounded. Use spark-resistant tools.

Protective equipment and precautions for firefighters:

As in any fire, wear self-contained breathing apparatus or MSHA/NIOSH (approved or equivalent) and full protective gear.

SAFETY DATA SHEET

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

For personal protection see section 8.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways,sewers,basements or confined areas.

See Section 12 for additional Ecological Information.

Method and materials for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so. If possible, turn leaking containers so that gas escapes rather than liquid. Dike far ahead of the spill for later disposal .

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Handling: Provide appropriate exhaust ventilation at places where dust ,vapors or mist is formed.

Conditions for storage, including any incompatibilities

Storage conditions : Store in a tight lid container in a well ventilated area. Store products in a cool place.

SAFETY DATA SHEET

SECTION 8 .EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures

Use Local Exhaust ventilation to control vapors, dust or mist that may form during the mechanical process

Individual protection measures, such as personal protective equipment

Wear protective safety goggles. May use a Face shield (8-inch minimum). Always use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).



Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching the glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after used in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact Material: butyl-rubber Minimum layer thickness: 0,3 mm Break through /me: 480 min

Material tested: Butoject® (KCL 897 / Aldrich Z677647, Size M)

Splash contact Material: Nitrile rubber Minimum layer thickness: 0,2 mm Break through /me: 38 min

Material tested: Dermatril® P (KCL 743 / Aldrich Z677388, Size M)

test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only.



Where risk assessment shows air-purifying respirators are appropriate, use a half or full-face respirator with multi-purpose 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

Prevent further leakage or spillage if safe to do so. Do not let products enter drains. Discharge into the environment must be avoided.

SAFETY DATA SHEET

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state: Liquid **Appearance:** White/light yellow

Odor: Ester like **Odor Threshold:** Not established

pH : no data

Melting point /Range no data available

Boiling point / Range: >100°C

Flash point no data available

Evaporation Rate: no data available

Flammability (solid, gas) Flammable

Flammability Limits Air no data available

Upper flammability limit: no data available

Lower flammability limit: no data available

Vapor Pressure no data available

Vapor Density no data available

Specific Gravity 1.12 g/cm₃

Water Solubility Slightly soluble

Solubility in other solvents Good solubility with
most organic solvents

Partition coefficient: n octanol/water no data available

Auto ignition Temperature 430°C

Decomposition Carbon dioxide

Viscosity no data available

Flammable Properties no data available

Explosive Properties no data available

Oxidizing Properties: no data available

SAFETY DATA SHEET

SECTION 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: Heat, flames and sparks.

Incompatible materials: Amines, Strong bases, Strong acids, Oxidizing agents, Peroxides

Hazardous decomposition products

Other decomposition products - No data available

**In the event of fire: see Section 5*

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

No data available

LD50 Oral - Rat - male - 1.320 mg/kg

(OECD Test Guideline 401)

LC50 Inhalation - Rat - 4 h - 0,9 - 4,7 mg/l

(OECD Test Guideline 403)

Dermal: No data available

LD50 Dermal - Rabbit - 500 - 1.000 mg/kg

Skin corrosion/irritation

Skin - Rabbit

Result: Causes severe burns.

(OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes - Rabbit

Result: Blindness

Respiratory or skin sensitization

- Guinea pig

Result: Does not cause skin sensitization.

(OECD Test Guideline 406)

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: 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.

SAFETY DATA SHEET**ReproducTive toxicity**

No data available

Specific target organ toxicity - single exposure

May cause respiratory irrita/on.

Specific target organ toxicity - repeated exposure

No data available

AspiraTion hazard

No data available

AddiTional Information**RTECS: OZ2975000**

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., May cause Cough, Shortness of breath, Headache and Nausea. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12 .ECOLOGICAL INFORMATION**Toxicity**

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 85 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates

EC50 - Daphnia magna (Water flea) - > 130 mg/l - 48 h

Persistence and degradability

Biodegradability aerobic - Exposure /me 28 d

Result: 86 % - Readily biodegradable.

(OECD Test Guideline 301D)

Bio accumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumula/ve (vPvB) at levels of 0.1% or higher.

Other adverse effects

Harmful to aquatic life.



SAFETY DATA SHEET

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated Packaging

Dispose of as unused product

SECTION 14. TRANSPORT INFORMATION

DOT Shipping Information:

Department of transportation classification: Not hazardous by D.O.T. regulations

D.O.T. proper shipping name: Not regulated

International Maritime Dangerous Goods Code (IMDG): Not regulated

International Air Transportation Association (IATA): Not regulated

Other requirements: N/A

ADR: Not regulated

Australian Hazchem Code: N/A

SAFETY DATA SHEET

SECTION 15. REGULATION INFORMATION

EC Classification: IRRITANT, SENSITIZING AND HARMFUL

Hazard Symbol: Xi: Irritating



Health Phrases:

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H319: May cause serious eye irritation

H335: May cause respiratory irritation

H413: May cause long lasting harmful effect to aquatic life

High atmospheric concentra/ons may lead to irrita/on of the respiratory tract and anesthetic effects.

Repeated and/or prolonged contact may cause dermatitis

The components present in this product at concentra/ons equal to or greater than 0.1% are listed, or excluded from listing, on the United States Environmental Protec/on Agency Toxic Substances Control Act (TSCA) inventory.

FULL TEXT OF ANY R-PHRASES AND S-PHRASES:

Risk Phrases:

R36/37/38 — Irritating to eyes, respiratory system and skin

R43 — May cause sensitization by skin contact

Safety Phrases:

S3 — Keep in a cool place

S7/9 — Keep container

S20 — When using do not eat or drink

S26 — In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S29 — Do not empty into drains

SAFETY DATA SHEET

S36 — Wear suitable protective clothing

S37/39 — Wear suitable gloves and eye/face protection

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. Pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986, (SARA) and 40 CFR 372 Part 372, this product does not contain chemicals subject to the reporting requirements under Section 313.

California Proposition 65: This product does not contain chemicals which are known to the state of California to cause cancer.

SECTION 16. OTHER INFORMATION

Further InformaTion

HMIS (Hazardous Materials Information System) for secondary labelling:

HEALTH 2

FIRE HAZARD 1

REACTIVITY 1

PERSONAL PROTECTIVE EQUIPMENT GLOVES AND PROTECTIVE GLASSES

REFERENCES:

1. *2011 Threshold Limit Values and Biological Exposure Indices. American Conference of Governmental Industrial Hygienists.*
2. *MSDS + Cheminfo CD-ROM, Canadian Centre for Occupational Health and Safety*
3. *SAX'S Dangerous Properties of Industrial Materials, Tenth Edition*
4. *TSCA & SARA Title III, U.S. Environmental Protection Agency and the National Technical Information Services*
5. *Raw Material Manufacturers Material Safety Data Sheets*
6. *US National Institute of Medicines Toxnet current edition*
7. *ESIS: European Chemical Substance Information System, <http://ecb.jrc.it/esis>*
8. *NOHSC Hazardous Information Substances Information System, Department of Employment and Workplace Relations, Australian Government, 2005*

To the best of our knowledge the informa/on contained herein is accurate. However, **MYERSON LLC / MYERSON COMPANY LIMITED** makes no warranty, expressed or implied, regarding the accuracy of these results to be obtained from the use thereof. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

MYERSON LLC /MYERSON COMPANY LIMITED assumes no responsibility for injury from the use of the product described herein.