

Syntron Industries Pvt.Ltd.

Material Safety Data Sheet

Version No.- 01

Revision Date: 01 July 2022

SECTION 1: Identification of the substance/mixture and the company/undertaking

1.1 Product identifier

Trade Name: **CHEMTRON - PMDS**
[Potassium Methylene di Sulfonic Acid]

Product Code: **CMT - 1005**

Synonyms: Potassium Salt of Methane di-Sulfonic acid; Dipotassium methane Di sulfonate

CAS No.: 6291-65-2

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

Uses of the substance

- » **CHEMTRON – PMDS** used as an additive in hard chrome plating processes, acting as an accelerator or catalyst. It can also be used in metal treatment and as a surface treatment agent. It can be used as a catalyst in organic reactions, speeding up the reaction rate.
- » Restrictions on use: No information available

Remarks

- » Risk assessments should be conducted prior to handling this product/material.

1.3 Details of the supplier of the safety data sheet.

Company

Syntron Industries Pvt. Ltd.
411/5, Phase II , G.I.D.C. Vatva,
Ahemdabad – 382445 GUJARAT. INDIA
Tel. : + 91 79258 33039

E-mail address

Surfactants@syntronindustries.com

1.4 Emergency telephone number

India Tel. No.: + 91 79258 33039

Disclaimer

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Skin irritation,	(Category 2)	H315: Causes skin irritation.
Eye irritation,	(Category 2)	H319: Causes serious eye irritation.

Specific target organ toxicity –
single exposure, (Category 3),

H335: May cause respiratory irritation.

Respiratory system

2.2 Label elements

Pictogram Signal



Single word warning

Hazard Statements

- H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary Statements

- P261 Avoid breathing dust.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area
P280 Wear protective gloves/ eye protection/ face protection.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a poison centre or doctor if you feel unwell.
P321 Specific treatment (see on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container to an approved waste disposal plant.

Supplemental Hazard none

Statements

2.3 Other hazards none

SECTION 3: Composition /information on ingredients

Chemical Name	CAS No.	Concentration on (%)
Potassium Methylene di Sulfonic Acid	6291-65-2	> 95 %

SECTION 4: First aid measure

Description of first measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
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	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Indication of any immediate medical attention and special treatment needed	No data available

SECTION 5: Firefighting measure

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, Sulphur oxides, Sodium oxides
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary
Further information	No data available

SECTION 6: Accidental release measure

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Keep people away from and be upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc
Environmental precautions:	Prevent product from entering drains.
Methods and materials for containment and cleaning up:	Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

SECTION 7: Handling and storage

Precautions for safe handling: Handling is performed in a well-ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling. Use a local exhaust if dust or aerosol will be generated. Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities Keep container tightly closed. Store in a cool and dark place. Store under inert gas. Protect from moisture. Store away from incompatible materials such as oxidizing agents. Hygroscopic.

Packaging material: Comply with laws.

SECTION 8: Exposure controls / personal protection

Appropriate engineering controls: Follow safe industrial engineering/laboratory practices when handling any chemical. Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.

Personal protective equipment

Respiratory protection: Dust respirator. Follow local and national regulations.

Hand protection: Protective gloves.

Eye protection: Safety glasses. A face-shield, if the situation requires.

Skin and body protection: Protective clothing. Protective boots, if the situation requires.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Crystal Powder.
Colour	White
Odour	Pungent.
Odour threshold	No data available.
Ph 1.0 % aq. Soln.	No data available.
Melting point	300° C.
Boiling point	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability or explosive limits	No data available.
Vapour pressure	No data available.

Vapour density	No data available.
Bulk Density	No data available
Solubility in water	No data available.
Partition coefficient	No data available.
Auto-ignition temperature	No data available.
Decomposition Temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidising properties	No data available.
Solid Content	> 95 %
Sensitive	Hygroscopic

9.2. Other information

Molecular weight	252.35
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SECTION 10: Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous Reactions.	No dangerous reaction known under conditions of normal use
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition	No hazardous decomposition products are known.
Products	

SECTION 11: Toxicological information

Acute Toxicity

Product Information Component

Potassium Methylene di Sulfonic Acid.

LD50 Oral - Rat – Not available

LC50 Inhalation – Not available

Toxicologically Synergistic Products No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation Irritating to eyes, respiratory system and skin

Sensitization No information available

Carcinogenicity No data available.

Mutagenic Effects No information available

Reproductive Effects No information available.

Developmental Effects No information available.

Teratogenicity No information available.

STOT - single exposure	No data available
STOT - repeated exposure	None known
Aspiration hazard	No information available
Symptoms / effects, both acute and delayed	No information available
Endocrine Disruptor Information	No information available
Other Adverse Effects	The toxicological properties have not been fully investigated.

SECTION 12: Ecological information

Ecotoxicity

No data available

Component

Potassium Methylene di Sulfonic Acid.

Persistence and Degradability	Persistence is unlikely
Bioaccumulation/ Accumulation	No information available.
Mobility	Will likely be mobile in the environment due to its water solubility.

Results of PBT and vPvB assessment

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

Endocrine disrupting properties	No data available
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12.6. Other adverse effects

None known.

SECTION 13: Disposal consideration

13.1 Waste Disposal methods

Product Disposal

Prohibition

Do not discharge directly into the environment.

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification

SECTION 14: Transport information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user

Not applicable

SECTION 15: Regulatory information

National Regulations --

No additional information available

Chemical safety assessment --

No additional information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods.

CAS: Chemical Abstracts Service.

LD 50: Substance that causes 50% (half) death in the test animals' group (Median Fatal Dose).

LC 50: Substance concentration causing 50% (half) death in the test animals' group.

EC 50: Effective Concentration of the substance causing the maximum of 50% .

GHS: Globally Harmonized System of Classification and labelling of chemical

Packing: -

1. Powder: Available in 20 Kg HDPE BAG

MSDS PREPARED BY:

Syntron Industries Pvt.Ltd.

REASON FOR REVISION:

Not applicable

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PREPARED BY: Syntron Industries Pvt. Ltd.