



THAI



SAFETY DATA SHEET

0.036 M Potassium permanganate

Issued : 31 July 2013

Revised : 31 July 2013

1. Chemical product & Company Identification.

Product details.

Chemical Name : **0.036 M Potassium permanganate**

Name of Manufacturer

Ya Thai Chemical Co., Ltd.

Tel: 66 -3857-4400

78/9 Moo 5 Takam, Bangpakong,

Fax: 66-3857-3700

Chachoengsao 24130 THAILAND

E-mail: yathai@yathai.co.th

2. Composition/Information on Ingredients.

Chemical Name : **0.036 M Potassium permanganate**

CAS Number : 7722-64-7

EC Number : 231-760-3

Chemical Formula : KMnO_4

Molecular Weight : 158.03 g/mol

3. Hazard Identification.

GHS Classification

Environment Hazards : Chronic aquatic toxicity - Category 3

Label element

None

Signal word : **None**

Hazard statements : H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

Prevention : P273 Avoid release to the environment.

Response : P391 Collect spillage.

Disposal : P501 Dispose of contents/container in accordance with local /regional/national / international regulations.

4. First Aid Measures.

Eye Contact : Rinse out with plenty of water. Call in ophthalmologist.

Skin Contact : Wash off with plenty of water. Remove contaminated clothing.
Consult a physician.

Inhalation : Fresh air. Call in physician.

Swallowing : Immediately make victim drink water (two glasses at most).
Consult a physician.



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5. Fire Fighting Measures.

Extinguishing media

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

Special hazards arising from the substance or mixture

Nature of decomposition products not known

Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental Release Measures.

Personal precautions, protective equipment and emergency procedures

Do not breathe vapours, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

7. Handling and Storage.

Precautions for safe handling

Observe label precautions.

Conditions for safe storage, including any incompatibilities

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

8. Personal Protection.

Control parameters

Contains no substances with occupational exposure limit values.

Exposure controls :

Wash hands before breaks and at the end of work.

Personal protective Equipment (PPE)

Protection of hands

Material of gloves : Nitrile rubber

Eye protection : Safety glasses

9. Physical and Chemical Properties.

Appearance : Liquid

Colour : Dark violet

Odor : Odourless

Relative density : 1.03 g/cm³

Solubility : At 25 °C Soluble

10. Physical Hazard (Stability & Reactivity).

Incompatible materials:

Zinc, Powdered metals, Peroxides, Copper, Strong reducing agents



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11. Toxicological Information.

Information on toxicological effects (Acute toxicity)

Product/ingredient name	Route	Species	Value	Exposure Duration
Potassium permanganate	Oral	Rat	LD50 - 750 mg/kg	-

Symptoms (Primary irritant effect):

Skin : This information is not available.

Eyes : This information is not available.

Sensitization: : No sensitizing effects known.

12. Ecological Information.

COD and BOD value will increase when flushed into sewers or streams.

Hazardous for water, Do not allow product to reach ground water, water course or sewage system.

13. Disposal Consideration.

Waste Disposal:

Dispose after activated sludge process.

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information.

Land Transport (ADR/RID)

UN number : UN 3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (POTASSIUM PERMANGANATE SOLUTION)

Class : 9

Packing group : III

Environmentally hazardous : Yes

Special precautions for user : Yes

Tunnel restriction code : E

Additional transport information :

In transportation, ensure no leakage from container, load without any falling down, dropping or damage.

Should be taken care of fall of the load from a truck.

Follow all regulation in your country.

15. Regulatory Information.

Follow all regulation in your country.

16. Other Information.

This information herein is given in good faith, but no warranty, express or implied, is made.

Final determination of suitability of any material is the sole responsibility of the user.

All materials may present unknown hazards and should be used in caution.

Although certain hazards are described herein. We can not quarantine that These are the only hazards which exist.