

Preparation Date 14-May-2020

Revision Date -

Revision Number 01

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

Product Identifier

Product Description MP3 27 EC

Recommended use of the chemical and restriction on use

Recommended use R&D material to be handled by technically qualified individuals only

Uses advised against

Details of the Supplier of the Safety Data Sheet

Supplier Address

UPL Limited
Uniphos House, Madhu Park,
Khar (W), Mumbai, India
Tel: +91-(022)- 2646-8000

E-mail address info.in@uniphos.com

Emergency Telephone Number

Company Phone Number +91-(022)- 2646-8000
Emergency telephone number +91-(022)- 2646-8000 (From 9:00 A.M. to 8:00 P.M.)

2. Hazard Identification

Classification

Flammable Liquid	Category 3 - (H226)
Skin corrosion/Irritation	Category 2 - (H315)
Eye Damage/Irritation	Category 2A - (H319)
Carcinogenicity	Category 1B - (H350)
Reproductive toxicity	Category 2 - (H361)
STOT - Single Exposure	Category 3 - (H335)
STOT - Single Exposure	Category 3 - (H336)
STOT - Repeated Exposure	Category 2 - (H373)
Aquatic Acute Hazard	Category 1 - (H400)
Aquatic Chronic Hazard	Category 2 - (H411)

Label elements



Signal word

Warning

Hazard Statements

Preparation Date 14-May-2020

Revision Date -

Revision Number 01

H226 - Flammable liquid
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H350 - May cause cancer
H361 - Suspected of damaging fertility or the unborn child
H373 - May cause damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention

P201 - Obtain special instructions before use
 P202 - Do not handle until all safety precautions have been read and understood
 P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking
 P260 - Do not breathe dust, fume, gas, mist, spray, vapors
 P261 - Avoid breathing dust, fume, gas, mist, spray, vapors
 P264 - Wash hands thoroughly after handling
 P271 - Use only outdoors or in a well-ventilated area
 P273 - Avoid release to the environment
 P280 - Wear protective clothing, protective gloves, eye protection

 P301 + P310 - If swallowed: Immediately call a doctor, a POISON CENTER
 P302 + P352 - If on skin: Wash with plenty of water
 P304 + P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P308 + P313 - If exposed or concerned: Get medical advice/attention
 P312 - Call a doctor, a POISON CENTER if you feel unwell
 P314 - Get medical advice/attention if you feel unwell
 P321 - Specific treatment (see a doctor on this label)
 P331 - Do NOT induce vomiting
 P332 + P313 - If skin irritation occurs: Get medical advice/attention
 P337 + P313 - If eye irritation persists: Get medical advice/attention
 P362 + P364 - Take off contaminated clothing and wash it before reuse
 P370 + P378 - In case of fire: Use alcohol resistant foam, carbon dioxide (CO2), dry extinguishing powder, Water spray to extinguish
 P391 - Collect spillage

 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
 P403 + P235 - Store in a well-ventilated place. Keep cool
 P405 - Store locked up

 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

Other Information

No other hazards known.

3. Composition/information on Ingredients

Chemical name	CAS-No	W/W %
Solvent naphtha	64742-94-5	40 - 60
(E)-methyl 3-(4-methyl-5-oxo-2, 5-dihydrofuran-2-	141250-21-7	1 - 5



Preparation Date 14-May-2020

Revision Date -

Revision Number 01

ylaxy)-2-phenylacrylate		

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

4. First aid measures

First-aid measures

Eye contact	Hold eyes open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
Skin contact	Remove contaminated clothing and shoes immediately, then wash with plenty of water. Clean contaminated clothing and shoes before re-use or discard if they cannot be thoroughly cleaned. If skin irritation or rash occurs, get medical advice or attention
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do not induce vomiting unless told by physician. If vomiting occurs ensure patient can breathe. If you feel unwell, get medical attention.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Give artificial respiration if victim is not breathing. If you feel unwell, get medical attention.

Most Important Symptoms and Effects, Both Acute and Delayed

Most Important Symptoms and Effects The most important known symptoms and effects are described in the labelling (See section 2) and/or in section 11.

Indication of immediate medical attention and special treatment needed

Notes to physician Treat symptomatically and supportively.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Water spray, dry chemical or carbon dioxide

Unsuitable extinguishing media None known

Special hazards arising from the substance or mixture

Special Hazard None known

Hazardous combustion products Carbon oxides (Cox),

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective suit. Use standard firefighting procedures and consider the hazards of involved material.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures



Preparation Date 14-May-2020

Revision Date -

Revision Number 01

Personal Precautions

Do not eat, drink or smoke while using this product. Avoid contact with skin and eyes. Do not breathe dust/mist. Keep unnecessary people away. Ensure adequate ventilation. Isolate area. Keep out of low areas.

Environmental precautions

Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

Methods and material for containment and cleaning up

Methods for Clean-Up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Follow all label instruction regarding spill clean-up and residual disposal methods.

Reference to other sections

Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

7. Handling and Storage

Precautions for safe handling

Handling

Avoid contact with skin and eyes. Do not breathe dust/mist. Ensure adequate ventilation. Wash thoroughly after handling. Avoid release to environment. Empty containers may contain hazardous residues. Do not reuse empty container.

Conditions for safe storage, including any incompatibilities

Storage

Store in accordance with local regulation. Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Keep away from incompatible material. Do not store in unlabelled containers. Do not store material near food, feed or drinking water.

Incompatible materials

Strong oxidizing agent

8. Exposure Controls/Personal Protection

Exposure Guideline

Apply technical measures to comply with the occupational exposure limit.

Engineering controls

Ensure adequate ventilation, especially in confined areas. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal protective equipment

Eye/Face Protection

Avoid contact with eyes. Where there is potential for eye contact have eye flushing equipment available. Tightly fitting safety goggles. Face-shield.

Skin/Hand protection

Wear protective gloves/clothing. Long-sleeved clothing

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Local authorities should be advised if significant spillage cannot be contained.

General hygiene considerations

Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

Preparation Date 14-May-2020

Revision Date -

Revision Number 01

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	homogeneous free flowing liquid
Physical state	Liquid
Odor	No information available
Color	Pale yellow to light brown
Odor threshold	No information available.

<u>Property</u>	<u>VALUES</u>	<u>Remarks/ Method</u>
pH	4-5	
Melting point/freezing point	No information available	
Boiling Point/Range	No information available	
Flash Point	>48 °C	
Flammability (solid, gas)	No information available	
Upper/lower flammability or	No information available	
Explosive limit	No information available	
Density	0.96 – 1.05 at 20°C	
Vapor density	No information available	
Vapor pressure	No information available	
Water solubility	No information available	
Solubility in Other Solvents	Soluble in Xylene, Naphtha, kerosene	
Partition coefficient: n-octanol/water	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
VOC Content	No information available	
Kinematic Viscosity	No information available	
Oxidizing properties	No information available	
Explosive properties	No information available	
Surface Tension	No information available	

10. Stability and Reactivity

Reactivity

No information available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reaction

None under normal processing.

Conditions to avoid

Avoid heat, flames and spark. Avoid contact with incompatible material.

Incompatible Materials

Strong oxidizing agents

Hazardous decomposition products

Thermal decomposition can lead to release of irritating or toxic fumes (or gases) in fire.



Preparation Date 14-May-2020

Revision Date -

Revision Number 01

Thermal hazardous decomposition products: Carbon oxides (Cox), Tin oxide

11. Toxicological Information

Information on Toxicological Effects

LD50 Oral = Not Data Available

LD50 Dermal = Not Data Available

LC50 Inhalation = Not Data Available

Local effect

Inhalation	No information available
Eye contact	Causes serious eye irritation. (Based on major component)
Skin contact	Causes Skin irritation. (Based on major component)
Ingestion	Based on available data, the classification criteria are not met.

Chronic toxicity

Skin Corrosion/Irritation	No information available
Eye damage/irritation	No information available
Sensitization	No information available
Mutagenic effects	No information available
Carcinogenic effects	No information available
Reproductive effects	No information available
STOT - Single Exposure	May cause drowsiness or dizziness.
STOT - repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	No information available

12. Ecological Information

Ecotoxicity

- Very toxic to aquatic life
- Toxic to aquatic life with long lasting effects (Based on major component)

LC50/Fish/96hr = No information available

EC50/Daphnia/48hr = No information available

EC50/Alga/72hr = No information available

Persistence and Degradability

No information available.

Bioaccumulative Potential

No information available.

Other Adverse Effects

No information available.



Preparation Date 14-May-2020

Revision Date -

Revision Number 01

13. Disposal Considerations

Waste Treatment Methods

Waste Disposal Method Dispose of in accordance with applicable Federal, State, local laws and regulations.

Contaminated packaging Empty container should be taken for local recycling, recovery or waste disposal. Do not re-use container. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

14. Transport Information

IMDG/IMO

14.1 UN-No	UN 1993
14.2 Proper Shipping name	FLAMMABLE LIQUID, N.O.S. (petroleum naphtha)
114.3 Hazard class	3
14.4 Packing group	III
14.6 Environmental Hazard	Marine pollutant

IATA/ICAO

14.1 UN-No	UN 1993
14.2 Proper Shipping name	FLAMMABLE LIQUID, N.O.S. (petroleum naphtha)
114.3 Hazard class	3
14.4 Packing group	III
14.5 Environmental Hazard	Marine pollutant

15. Regulatory Information

International Inventories

USINV	-
TSCA	-
EINECS/ELINCS	-
DSL/NDL	-
PICCS	-
ENCS	-
China	-
AICS	-
KECL	-

- : Not listed/Determines

Legend

USINV - Total TSCA/FIFRA Inventory

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

16. Other Information

Preparation Date

14-MAY-2020

Revision date



Preparation Date 14-May-2020

Revision Date -

Revision Number 01

Revision Summary

Disclaimer

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End of Safety Data Sheet