**PERTAMINA**  **Material Safety Data Sheet.**

**1.CHENICAL PRODCT/COMPANY IDENTIFICATION**

Product Name : MINAREX – A

Trade names and Synonyms : Processing Oil

MSDS Code : MNX-001-PTM

Manufacturer : PERTMAINA , UP – Refinery, Cilacap,

Indonesia

Product Information : PERTAMINA , sub Division of Gas and

 Petrochemical Refinery Operation

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

|  |  |  |
| --- | --- | --- |
| **Component** | **CAS Number** | **% Vol** |
| 1. Aromatics hydrocarbon
 | **-** | > 30 |
| 1. Paraffinic hydrocarbon
 | **-** | > 20 |

**3.HAZARD IDENTIFICATION**

**EMERGENCY OVERVIEW**

APPEARANCE / ODOR : Brown liquid / characteristic.

OSHA HAZARD DERTIMINATION : Not established.

**POTENTIAL HEALTH EFFCTS**

Primary Routes of Exposure / Entry : skin

Eye Contact : No

Skin Contact : yes

Inhalation : Yes

Ingestion : yes

**PERTAMINA**  **Material Safety Data Sheet**

**4.FIRST AID MEASURES**

**First Aid**

INHALATION : Remove from exposure . If breathing is difficult , give

Oxygen . Contact medical department immediately.

SKIN CONTACT : Wash contact areas with soap and water . launder

 Contaminated clothing before reuse.

EYE CONTACT : Flush eyes running water for at least 15 minutes

 Get medical assistance immediately.

INGESTION : Get medical assistance .In the meantime do not in

 Duce vomiting.

**5. FIRE FIGHTING MEASURES**

**Flammable Properties**

Flash Point : > 425 ° F

Hazardous product of Combustion :Carbon and sulfur oxides

Fire Extinguishing Media : Carbon dioxide , form, dry chemical.

Fire Fighting Instructions : Evacuate area of all unnecessary per-

 Sonnet . Shut off source , if possible.

 Wear full protective equipment.

**6.ACCIDENTAL RELEASE MEASURES**

Safeguard ( personnel ) : Use appropriate personal protective equipment

 During clean – up.

Spill or Leak Procedure : Use proper safety equipment when handling this

 Material . Sop leak if possible . Use absorbent

 Materials ( such as : sand vermiculite, sawdust, etc )

 To absorb the spillages . Collect and place in an

 Appropriate disposal container.

 **PERTAMINA**  **Material Safety Data Sheet**

**7. HANDLING AND STORAGE**

**Handling :** Avoid contact with skin and eyes . wash thoroughly after

 Handling . Use with adequate ventilation.

**Storage :** Store in a well- ventilated area , keep away from heat , spark

 Flames . Container tightly closed.

**8. EXPOSURE CONTROL / PERSONAL PROTECTION**

**Engineering Control**

VENTILATION : Good general mechanical ventilation and local

 Exhaust.

**Personal Protective Equipment**

RESPIRATORY PROTECTION : Organic vapor respirator must be used for open

 Large volumes.

PROTECTIVE GLOVES : Suitably resistant to the material being used

 ( neoprene of nitrite rubber ).

EYE PROTECTON

OTHER PRECAUTIONS : Wash thoroughly with soap and water to avoid

 Any prolonged skin contact.

**9.PHYSICAL AND CHEMICAL PROPERTIES**

**Physical data**

Specific Gravity at 60/60 ° F : 0,9885

Flash Point , ° C : > 425 ° F

**PERTAMINA**  **Material Safety Data Sheet**

**10. STABILITY AND REACTIVITY**

Corrosively : No

Chemical Stability : Stable

Incompatibility with other materials : strong oxidizers.

Decomposition : carbon and sulfur oxiders.

**11. DISPOSAL CONSIDERATIONS**

**Waste Disposal**

Dispose of waste an appropriate waste disposal facility in accordance with

Current applicable laws and regulations . In crenate waster if laws and

Regulations allow .

**12.TRANSPORTATION INFORMATION**

Not regulated

**13.REGULATORY INFORMATION**

There may be specific regulation at the local, regional or state / provincial level

That pertain this product.

**14.OTHER INFORMATION**

The date in this Material safety Data Sheet relates only to the specific material

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Material or in any process.

**PERTAMINA Material Safety Data Sheet**

**1.CHENICAL PRODCT/COMPANY IDENTIFICATION**

Product Name : MINAREX – H

Trade names and Synonyms : Processing Oil

MSDS Code : MNX-005-PTM

Manufacturer : PERTMAINA , UP – Refinery, Cilacap,

Indonesia

Product Information : PERTAMINA , sub Division of Gas and

 Petrochemical Refinery Operation

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Component CAS Number % vol

* - -

**3.HAZARD IDENTIFICATION**

**EMERGENCY OVERVIEW**

APPEARANCE / ODOR : Brown liquid / characteristic.

OSHA HAZARD DERTIMINATION : Not established.

**POTENTIAL HEALTH EFFCTS**

Primary Routes of Exposure / Entry : skin

Eye Contact : No

Skin Contact : yes

Inhalation : Yes

Ingestion : yes

**PERTAMINA**  **Material Safety Data Sheet**

**4.FIRST AID MEASURES**

**First Aid**

INHALATION : Remove from exposure . If breathing is difficult , give

Oxygen . Contact medical department immediately.

SKIN CONTACT : Wash contact areas with soap and water . launder

 Contaminated clothing before reuse.

EYE CONTACT : Flush eyes running water for at least 15 minutes

 Get medical assistance immediately.

INGESTION : Get medical assistance .In the meantime do not in

 Duce vomiting.

**5. FIRE FIGHTING MEASURES**

**Flammable Properties**

Flash Point : > 465 ° F

Hazardous product of Combustion :Carbon and sulfur oxides

Fire Extinguishing Media : Carbon dioxide , form, dry chemical.

Fire Fighting Instructions : Evacuate area of all unnecessary per-

 Sonnet . Shut off source , if possible.

 Wear full protective equipment.

**6.ACCIDENTAL RELEASE MEASURES**

Safeguard ( personal ) : Use appropriate personal protective equipment

 During clean – up.

Spill or Leak Procedure : Use proper safety equipment when handling this

 Material . Sop leak if possible . Use absorbent

 Materials ( such as : sand vermiculite, sawdust, etc )

 To absorb the spillages . Collect and place in an

 Appropriate disposal container.

**PERTAMINA**  **Material Safety Data Sheet**

**7. HANDLING AND STORAGE**

**Handling :** Avoid contact with skin and eyes . wash thoroughly after

 Handling . Use with adequate ventilation.

**Storage :** Store in a well- ventilated area , keep away from heat , spark

 Flames . Container tightly closed.

**8. EXPOSURE CONTROL / PERSONAL PROTECTION**

**Engineering Control**

VENTILATION : Good general mechanical ventilation and local

 Exhaust.

**Personal Protective Equipment**

RESPIRATORY PROTECTION : Organic vapor respirator must be used for open

 Large volumes.

PROTECTIVE GLOVES : Suitably resistant to the material being used

 ( neoprene of nitrite rubber ).

EYE PROTECTON

OTHER PRECAUTIONS : Wash thoroughly with soap and water to avoid

 Any prolonged skin contact.

**9.PHYSICAL AND CHEMICAL PROPERTIES**

**Physical data**

Specsific Garvity at 60/60 ° F : 1,0453

Flash Point , ° C : > 465 ° F

**PERTAMINA**  **Material Safety Data Sheet**

**10. STABILITY AND REACTIVITY**

Corrosively : No

Chemical Stability : Stable

Incompatibility with other materials : strong oxidizers.

Decomposition : carbon and sulfur oxiders

**11. DISPOSAL CONSIDERATIONS**

**Waste Disposal**

Dispose of waste an appropriate waste disposal facility in accordance with

Current applicable laws and regulations . In crenate waster if laws and

Regulations allow .

**12.TRANSPORTATION INFORMATION**

Not regulated

**13.REGULATORY INFORMATION**

There may be specific regulation at the local, regional or state / provincial level

That pertain this product.

**14.OTHER INFORMATION**

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Material or in any process.

**PERTAMINA**  **Material Safety Data Sheet**

**1.CHENICAL PRODCT/COMPANY IDENTIFICATION**

Product Name : MINAREX – I

Trade names and Synonyms : Processing Oil

MSDS Code : MNX-002-PTM

Manufacturer : PERTMAINA , UP – Refinery, Cilacap,

Indonesia

Product Information : PERTAMINA , sub Division of Gas and

 Petrochemical Refinery Operation

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance formal name : Vacuum Distillate Oil

Substance Chemical family : Petroleum Hydrocarbon

**3.HAZARD IDENTIFICATION**

**EMERGENCY OVERVIEW**

APPEARANCE / ODOR : Dark Brown liquid / characteristic.

OSHA HAZARD DERTIMINATION : Not established.

**POTENTIAL HEALTH EFFCTS**

Primary Routes of Exposure / Entry : skin

Eye Contact : No

Skin Contact : yes

Inhalation : Yes

Ingestion : yes

**PERTAMINA**  **Material Safety Data Sheet**

**4.FIRST AID MEASURES**

**First Aid**

INHALATION : Remove from exposure . If breathing is difficult , give

Oxygen . Contact medical department immediately.

SKIN CONTACT : Wash contact areas with soap and water . launder

 Contaminated clothing before reuse.

EYE CONTACT : Flush eyes running water for at least 15 minutes

 Get medical assistance immediately.

INGESTION : Get medical assistance .In the meantime do not in

 Duce vomiting.

**5. FIRE FIGHTING MEASURES**

**Flammable Properties**

Flash Point : Min.380 ° F/400 ° F

Hazardous product of Combustion :Carbon and sulfur oxides

Fire Extinguishing Media : Carbon dioxide , form, dry chemical.

Fire Fighting Instructions : Evacuate area of all unnecessary per-

 Sonnet . Shut off source , if possible.

 Wear full protective equipment.

**6.ACCIDENTAL RELEASE MEASURES**

Safeguard ( personal ) : Use appropriate personal protective equipment

 During clean – up.

Spill or Leak Procedure : Use proper safety equipment when handling this

 Material . Sop leak if possible . Use absorbent

 Materials ( such as : sand vermiculite, sawdust, etc )

 To absorb the spillages . Collect and place in an

 Appropriate disposal container.

**PERTAMINA**  **Material Safety Data Sheet**

**7. HANDLING AND STORAGE**

**Handling :** Avoid contact with skin and eyes . wash thoroughly after

 Handling . Use with adequate ventilation.

**Storage :** Store in a well- ventilated area , keep away from heat , spark

 Flames . Container tightly closed.

**8. EXPOSURE CONTROL / PERSONAL PROTECTION**

**Engineering Control**

VENTILATION : Good general mechanical ventilation and local

 Exhaust.

**Personal Protective Equipment**

RESPIRATORY PROTECTION : Organic vapor respirator must be used for open

 Large volumes.

PROTECTIVE GLOVES : Suitably resistant to the material being used

 ( neoprene of nitrite rubber ).

EYE PROTECTON

OTHER PRECAUTIONS : Wash thoroughly with soap and water to avoid

 Any prolonged skin contact.

**9.PHYSICAL AND CHEMICAL PROPERTIES**

 **Physical data**

Specific Gravity at 60/60 ° F : 0,990 – 1,030

Flash Point , ° C : Min .380 ° F/ 400° F

Odor : Strong Petroleum Odor

Color : Dark brown / black viscous fluid.

**PERTAMINA**  **Material Safety Data Sheet**

**10. STABILITY AND REACTIVITY**

Corrosively : No

Chemical Stability : Stable

Incompatibility with other materials : strong oxidizers.

Decomposition : carbon and sulfur oxiders

**11. DISPOSAL CONSIDERATIONS**

**Waste Disposal**

Dispose of waste an appropriate waste disposal facility in accordance with

Current applicable laws and regulations . In crenate waster if laws and

Regulations allow .

**12.TRANSPORTATION INFORMATION**

Not regulated

**13.REGULATORY INFORMATION**

There may be specific regulation at the local, regional or state / provincial level

That pertain this product.

**14.OTHER INFORMATION**

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**PERTAMINA**  **Material Safety Data Sheet**

**1.CHENICAL PRODCT/COMPANY IDENTIFICATION**

Product Name : PARAFFINIC OIL 60

Trade names and Synonyms : P-60 / Paraffinic Hydrocarbon

MSDS Code : P60-001-PTM

Manufacturer : PERTMAINA , UP – Refinery, Cilacap,

Indonesia

Product Information : PERTAMINA , sub Division of Gas and

 Petrochemical Refinery Operation

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

|  |  |  |
| --- | --- | --- |
| Component | CAS Number  | % vol |
| 1.Aromatics Hydrocarbon | - | < 5 |
| 2.Paraffinic hydrocarbon | - | > 50 |

**3.HAZARD IDENTIFICATION**

**EMERGENCY OVERVIEW**

APPEARANCE / ODOR : Clear liquid / mild odor.

OSHA HAZARD DERTIMINATION : Not established.

**POTENTIAL HEALTH EFFCTS**

Primary Routes of Exposure / Entry : skin

Eye Contact : No

Skin Contact : yes

Inhalation : Yes

Ingestion : No

Carcinogenicity Information : No

**PERTAMINA**  **Material Safety Data Sheet**

**4.FIRST AID MEASURES**

**First Aid**

INHALATION : Remove from fresh water . If not breathing is difficult , give

 Artificial respiratory . If breathing is difficult, giveOxygen .

 Get medical department immediately.

SKIN CONTACT : Wash contact areas with soap and water . launder

 Contaminated clothing before reuse.

EYE CONTACT : Flush eyes running water for at least 15 minutes

 Get medical assistance immediately.

INGESTION : Do not induce vomiting . get medical assistance.

**5. FIRE FIGHTING MEASURES ,**

**Flammable Properties**

Flash Point : > 204 ° C

Hazardous product of Combustion :Co ,Co₂ & other oxides

Fire Extinguishing Media : Co₂ dry chemical, foam & water spray

Fire Fighting Instructions : Wear NIOSH / MSHA approved SCBA &

 full protective equipment.

**6.ACCIDENTAL RELEASE MEASURES**

Safeguard ( personal ) : Use appropriate personal protective equipment

 During clean – up.

Spill or Leak Procedure : Use proper safety equipment when handling this

 Material . Sop leak if possible . Use absorbent

 Materials ( such as : sand vermiculite, sawdust, etc )

 To absorb the spillages . Collect and place in an

 Appropriate disposal container.

**PERTAMINA**  **Material Safety Data Sheet**

**7. HANDLING AND STORAGE**

**Handling :** Store in tightly closed container in a dry , cool place away from

 Sources of heat, ignition or strong oxidizers.

**Storage :** Store in a well- ventilated area , keep away from heat , spark

 Flames . Container tightly closed.

**8. EXPOSURE CONTROL / PERSONAL PROTECTION**

**Engineering Control**

VENTILATION : Provide adequate general and local exhaust.

**Personal Protective Equipment**

RESPIRATORY PROTECTION : Approved respiratory protective equipment

 Must be used for open large volume.

PROTECTIVE GLOVES : Impervious gloves.

EYE PROTECTON : Chemical type goggles.

OTHER PRECAUTIONS : Wash thoroughly with soap and water to avoid

 Any prolonged skin contact.

**9.PHYSICAL AND CHEMICAL PROPERTIES**

**Physical data**

Specific Gravity at 60/60 ° F : o,8685

Flash Point , ° C : > 204

Color : Clear liquid

**PERTAMINA**  **Material Safety Data Sheet**

**10. STABILITY AND REACTIVITY**

Corrosively : No

Chemical Stability : Stable

Incompatibility with other materials : strong oxidizers.

Decomposition : carbon and sulfur oxiders

**11. DISPOSAL CONSIDERATIONS**

**Waste Disposal**

Dispose of waste an appropriate waste disposal facility in accordance with

Current applicable laws and regulations . In crenate waster if laws and

Regulations allow .

**12.TRANSPORTATION INFORMATION**

Not regulated

**13.REGULATORY INFORMATION**

There may be specific regulation at the local, regional or state / provincial level

That pertain this product.

**14.OTHER INFORMATION**

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Material or in any process.

**PERTAMINA**  **Material Safety Data Sheet**

**1.CHENICAL PRODCT/COMPANY IDENTIFICATION**

Product Name : PARAFFINIC OIL 95

Trade names and Synonyms : P-95 / Paraffinic Hydrocarbon

MSDS Code : P60-002-PTM

Manufacturer : PERTMAINA , UP – Refinery, Cilacap,

Indonesia

Product Information : PERTAMINA , sub Division of Gas and

 Petrochemical Refinery Operation

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

|  |  |  |
| --- | --- | --- |
| Component | CAS Number  | % vol |
| 1.Aromatics Hydrocarbon | - | < 5 |
| 2.Paraffinic hydrocarbon | - | > 50 |

**3.HAZARD IDENTIFICATION**

**EMERGENCY OVERVIEW**

APPEARANCE / ODOR : Clear yellow liquid / mild odor.

OSHA HAZARD DERTIMINATION : Not established.

**POTENTIAL HEALTH EFFCTS**

Primary Routes of Exposure / Entry : skin

Eye Contact : No

Skin Contact : yes

Inhalation : Yes

Ingestion : No

Carcinogenicity Information : N0

**PERTAMINA**  **Material Safety Data Sheet**

**4.FIRST AID MEASURES**

**First Aid**

INHALATION : Remove from fresh water . If not breathing is difficult , give

 Artificial respiratory . If breathing is difficult, giveOxygen .

 Get medical department immediately.

SKIN CONTACT : Wash contact areas with soap and water . launder

 Contaminated clothing before reuse.

EYE CONTACT : Flush eyes running water for at least 15 minutes

 Get medical assistance immediately.

INGESTION : Do not induce vomiting . get medical assistance.

**5. FIRE FIGHTING MEASURES ,**

**Flammable Properties**

Flash Point : > 210 ° C

Hazardous product of Combustion :Co ,Co₂ & other oxides

Fire Extinguishing Media : Co₂ dry chemical, foam & water spray

Fire Fighting Instructions : Wear NIOSH / MSHA approved SCBA &

 full protective equipment.

**6.ACCIDENTAL RELEASE MEASURES**

Safeguard ( personal ) : Use appropriate personal protective equipment

 During clean – up.

Spill or Leak Procedure : Use proper safety equipment when handling this

 Material . Sop leak if possible . Use absorbent

 Materials ( such as : sand vermiculite, sawdust, etc )

 To absorb the spillages . Collect and place in an

 Appropriate disposal container.

**PERTAMINA**  **Material Safety Data Sheet**

**7. HANDLING AND STORAGE**

**Handling :** Store in tightly closed container in a dry , cool place away from

 Sources of heat, ignition or strong oxidizers.

**Storage :** Store in a well- ventilated area , keep away from heat , spark

 Flames . Container tightly closed.

**8. EXPOSURE CONTROL / PERSONAL PROTECTION**

**Engineering Control**

VENTILATION : Provide adequate general and local exhaust.

**Personal Protective Equipment**

RESPIRATORY PROTECTION : Approved respiratory protective equipment

 Must be used for open large volume.

PROTECTIVE GLOVES : Impervious gloves.

EYE PROTECTON : Chemical type goggles.

OTHER PRECAUTIONS : Wash thoroughly with soap and water to avoid

 Any prolonged skin contact.

**9.PHYSICAL AND CHEMICAL PROPERTIES**

**Physical data**

Specific Gravity at 60/60 ° F : o,8799

Flash Point , ° C : > 210

Color : Clear yellow liquid

**PERTAMINA**  **Material Safety Data Sheet**

**10. STABILITY AND REACTIVITY**

Corrosively : No

Chemical Stability : Stable

Incompatibility with other materials : strong oxidizers.

Decomposition : carbon and sulfur oxiders

**11. DISPOSAL CONSIDERATIONS**

**Waste Disposal**

Dispose of waste an appropriate waste disposal facility in accordance with

Current applicable laws and regulations . In crenate waster if laws and

Regulations allow .

**12.TRANSPORTATION INFORMATION**

Not regulated

**13.REGULATORY INFORMATION**

There may be specific regulation at the local, regional or state / provincial level

That pertain this product.

**14.OTHER INFORMATION**

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Material or in any process.

**PERTAMINA**  **Material Safety Data Sheet**

**1.CHENICAL PRODCT/COMPANY IDENTIFICATION**

Product Name : HVI - 650

Trade names and Synonyms : High Viscosity Index

MSDS Code : HVI-004-PTM

Manufacturer : PERTMAINA , UP – Refinery, Cilacap,

Indonesia

Product Information : PERTAMINA , sub Division of Gas and

 Petrochemical Refinery Operation

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

High Viscosity Index Mineral 100 %

**3.HAZARD IDENTIFICATION**

**EMERGENCY OVERVIEW**

APPEARANCE / ODOR : Clear yellow liquid / mild odor.

OSHA HAZARD DERTIMINATION : Not established.

**POTENTIAL HEALTH EFFCTS**

Primary Routes of Exposure / Entry : skin

Eye Contact : No

Skin Contact : yes

Inhalation : Yes

Ingestion : No

Carcinogenicity Information : N0

**PERTAMINA**  **Material Safety Data Sheet**

**4.FIRST AID MEASURES**

**First Aid**

INHALATION : Remove from fresh water . If not breathing is difficult , give

 Artificial respiratory . If breathing is difficult, giveOxygen .

 Get medical department immediately.

SKIN CONTACT : Wash contact areas with soap and water . launder

 Contaminated clothing before reuse.

EYE CONTACT : Flush eyes running water for at least 15 minutes

 Get medical assistance immediately.

INGESTION : Do not induce vomiting . get medical assistance.

**5. FIRE FIGHTING MEASURES ,**

**Flammable Properties**

Flash Point : > 300 ° C

Hazardous product of Combustion :Co ,Co₂ & other oxides

Fire Extinguishing Media : Co₂ dry chemical, foam & water spray

Fire Fighting Instructions : Wear NIOSH / MSHA approved SCBA &

 full protective equipment.

**6.ACCIDENTAL RELEASE MEASURES**

Safeguard ( personal ) : Use appropriate personal protective equipment

 During clean – up.

Spill or Leak Procedure : Use proper safety equipment when handling this

 Material . Sop leak if possible . Use absorbent

 Materials ( such as : sand vermiculite, sawdust, etc )

 To absorb the spillages . Collect and place in an

 Appropriate disposal container.

**PERTAMINA**  **Material Safety Data Sheet**

**7. HANDLING AND STORAGE**

**Handling :** Store in tightly closed container in a dry , cool place away from

 Sources of heat, ignition or strong oxidizers.

**Storage :** Store in a well- ventilated area , keep away from heat , spark

 Flames . Container tightly closed.

**8. EXPOSURE CONTROL / PERSONAL PROTECTION**

**Engineering Control**

VENTILATION : Provide adequate general and local exhaust.

**Personal Protective Equipment**

RESPIRATORY PROTECTION : Approved respiratory protective equipment

 Must be used for open large volume.

PROTECTIVE GLOVES : Impervious gloves.

EYE PROTECTON : Chemical type goggles.

OTHER PRECAUTIONS : Wash thoroughly with soap and water to avoid

 Any prolonged skin contact.

**9.PHYSICAL AND CHEMICAL PROPERTIES**

**Physical data**

Specific Gravity at 60/60 ° F : o,8983

Flash Point : > 300 ° C

Pour Point : - 9 ° C

Color : Clear yellow liquid

Kinematic Viscosity @40°C : 480,9 cSt.

Kinematic Viscosity @100°C : 31,48 cSt.

Vapor Pressure : < 0,5 Pa at 20 °C

**PERTAMINA**  **Material Safety Data Sheet**

**10. STABILITY AND REACTIVITY**

Corrosively : No

Chemical Stability : Stable

Incompatibility with other materials : strong oxidizers.

Decomposition : carbon and sulfur oxiders

**11. DISPOSAL CONSIDERATIONS**

**Waste Disposal**

Dispose of waste an appropriate waste disposal facility in accordance with

Current applicable laws and regulations. In crenate waster if laws and

Regulations allow .

**12.TRANSPORTATION INFORMATION**

Not regulated

**13.REGULATORY INFORMATION**

There may be specific regulation at the local, regional or state / provincial level

That pertain this product.

**14.OTHER INFORMATION**

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Material or in any process.

**PERTAMINA**  **Material Safety Data Sheet**

**1.CHENICAL PRODCT/COMPANY IDENTIFICATION**

Product Name : EXDO - 4

Trade names and Synonyms : Aromatic Extract Non Carcinogenic

MSDS Code : EXDO-001-PTM

Manufacturer : PERTMAINA , UP – Refinery, Cilacap,

Indonesia

Product Information : PERTAMINA , sub Division of Gas and

 Petrochemical Refinery Operation

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Common Trade Name : Rubber Processing Oil

**3.HAZARD IDENTIFICATION**

**EMERGENCY OVERVIEW**

APPEARANCE / ODOR : Dark Brown / characteristic.

OSHA HAZARD DERTIMINATION : Not established.

**POTENTIAL HEALTH EFFCTS**

Primary Routes of Exposure / Entry : skin

Eye Contact : No

Skin Contact : yes

Inhalation : Yes

Ingestion : No

Carcinogenicity Information : No

**PERTAMINA**  **Material Safety Data Sheet**

**4. FIRST AID MEASURES**

**First Aid**

INHALATION : Remove from exposure . If breathing is difficult , give

Oxygen . Contact medical department immediately.

SKIN CONTACT : Wash contact areas with soap and water . launder

 Contaminated clothing before reuse.

EYE CONTACT : Flush eyes running water for at least 15 minutes

 Get medical assistance immediately.

INGESTION : Get medical assistance .In the meantime do not in

 Duce vomiting.

**5. FIRE FIGHTING MEASURES**

**Flammable Properties**

Flash Point : Min.260 ° C

Hazardous product of Combustion :Carbon and sulfur oxides

Fire Extinguishing Media : Carbon dioxide , form, dry chemical.

Fire Fighting Instructions : Evacuate area of all unnecessary per-

 Sonnet . Shut off source , if possible.

 Wear full protective equipment.

**6.ACCIDENTAL RELEASE MEASURES**

Safeguard ( personnel ) : Use appropriate personal protective equipment

 During clean – up.

Spill or Leak Procedure : Use proper safety equipment when handling this

 Material . Sop leak if possible . Use absorbent

 Materials ( such as : sand vermiculite, sawdust, etc )

 To absorb the spillages . Collect and place in an

 Appropriate disposal container.

**PERTAMINA**  **Material Safety Data Sheet**

**7. HANDLING AND STORAGE**

**Handling :** Store in tightly closed container in a dry , cool place away from

 Sources of heat, ignition or strong oxidizers.

**Storage :** Store in a well- ventilated area , keep away from heat , spark

 Flames . Container tightly closed.

**8. EXPOSURE CONTROL / PERSONAL PROTECTION**

**Engineering Control**

VENTILATION : Provide adequate general and local exhaust.

**Personal Protective Equipment**

RESPIRATORY PROTECTION : Approved respiratory protective equipment

 Must be used for open large volume.

PROTECTIVE GLOVES : Impervious gloves.

EYE PROTECTON : Chemical type goggles.

OTHER PRECAUTIONS : Wash thoroughly with soap and water to avoid

 Any prolonged skin contact.

**9.PHYSICAL AND CHEMICAL PROPERTIES**

**Physical data**

Specific Gravity at 60/60 ° F : 0,9600 – 0,999

Flash Point : Min.260 ° C

Odour : Strong Petroleum Odor

Color : Dark Brown

Kinematic Viscosity at 210 ° F : >18 cSt.

Volatility : Negligible

**PERTAMINA**  **Material Safety Data Sheet**

**10. STABILITY AND REACTIVITY**

Material to avoid : Reactive with oxidizing agents, acids,alkalis

 Nitrates, chlorites peroxide.

Chemical Stability : Stable

Polymerization : Will not occur

Decomposition : carbon and sulfur oxiders

**11. DISPOSAL CONSIDERATIONS**

**Waste Disposal**

Dispose of waste an appropriate waste disposal facility in accordance with

Current applicable laws and regulations. In crenate waster if laws and

Regulations allow .

**12.TRANSPORTATION INFORMATION**

Not regulated

**13.REGULATORY INFORMATION**

There may be specific regulation at the local, regional or state / provincial level

That pertain this product.

**14.OTHER INFORMATION**

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