

MANUFACTURERS OF HIGH QUALITY HYGIENE PRODUCTS
TRADERS & DISTRIBUTORS OF INDUSTRIAL CHEMICALS
SUPPLIERS OF LABORATORY CHEMICALS
JANITORIAL AND PAPER PRODUCTS DEALERS



TOLL BLENDING & PRIVATE LABEL CONTRACTOR
AUTO CARE & LAUNDRY CARE PRODUCTS
MUNICIPALITY APPROVED PRODUCTS
ISO CERT: GMP, ISO 9001:2008, ISO 14001:2004, OHSAS

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TRICE CHEMICALS

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MATERIAL SAFETY DATA SHEET PKDE 90

SECTION 1 - CHEMICAL PRODUCTS AND COMPANY IDENTIFICATION

1.1 Product Details

Product Name : Palm Kernel Diethanolamide
Trade Name : PKDE 90
Chemical Name : Fatty Acid Diethanolamide
INCI Name : Palm Kernelamide DEA
CAS no. : 73807-15-5
Chemical Formula : $RCON(CH_2CH_2OH)_2$
R=Alkyl of Fatty Acid
Chemical Family : Fatty Alcohol Amide
Use of the Substance/Preparation : Thickener, Foam Stabilizer.



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SECTION 2 ~ HAZARD IDENTIFICATION

Hazard Pictogram : WARNING



- R-phrases : R38: Irritating to skin
 R41: Risk of serious damage to eyes
- S-phrases : S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
 S28: After contact with skin, wash immediately with plenty of water
 S39: Wear eye / face protection

Classification according to 67/548/EEC or 1999/45/EC : Xi; R38, R41

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS] : Eye Dam. 1; H318
 Skin Irrit. 2; H315

Description of Hazard : Irritating to skin. Risk of serious damage to eyes.

- Precaution : - Non-hazardous, non-flammable.
 - Avoid contact with skin, irritation may occur.
 - Harmful if swallowed.

- First Aid : - In case of eye contact : Remove contact lenses, if present, flush eye with plenty of water for at least 10 minutes.
 - In case of skin contact : Remove contaminated clothing, flush skin with plenty of water for 5 to 15 minutes.
 - If swallowed : DO NOT INDUCE VOMITING. Give large amount of water or milk. Seek medical assistance.

SECTION 3 ~ Composition

Component name	Identification	Classification	Contents
Amides	CAS No.: 73807-15-5	Xi; R38, R41 Skin Irrit. 2; H315 Eye Dam. 1; J318	89 - 92%



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SECTION 4 ~ FIRST AID MEASURES

- General : Rinse with water
- Skin Contact : Remove contaminated clothing, rinse skin with plenty of water.
- Eye Contact : Remove contact lenses, if present, flush eyes with plenty of water for at least 10 minutes. Seek medical assistance.
- Ingestion : Do not induce vomiting. Drink large amount of water or milk. Seek medical assistance.

SECTION 5 ~ FIRE FIGHTING MEASURES

- Fire Extinguishing Media : Water, Foam, extinguishing powder or carbon dioxide (CO2).
- Special Fire-Fighting Procedures : Abundant water spray can be used to dilute spills and render them incombustible to extinguish fires.
- Fire-Fighting Instructions : Water can be used to cool fire-exposed containers to protect personnel and to disperse vapors and spills.

SECTION 6 ~ ACCIDENTAL RELEASE MEASURES

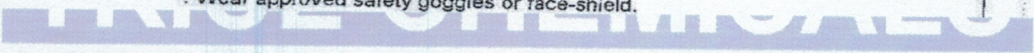
- Personal Precautions : Try to limit any spill. Use gloves and glasses.
- Environmental Precautions : Do not allow to flow into drainage system or water resources. Product is readily biodegradable.
- Methods for Cleaning Up : Remove with liquid-absorbing material such as sand, peat or sawdust.

SECTION 7 ~ HANDLING AND STORAGE

- Handling : Avoid contact with eyes and skin, avoid open flames.
- Storage : Keep containers tightly closed, below 40 °C.

SECTION 8 ~ EXPOSURE CONTROLS / PERSONAL PROTECTION

- Exposure Limit : Not available
- Engineering Measures : Eye wash facility is recommended.
- Personal Protection
- Hand / Skin Protection : Use protective gloves.
- Eyes Protection : Wear approved safety goggles or face-shield.



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SECTION 9 ~ PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Light brown liquid
Odour	: Slight
Solubility	: Soluble in water
Boiling point	: Not available
pH (1% Solution)	: 10.3
Specific Gravity	: 0.98 (20°C)
Flash Point	: 190°C
Flammable Limit (%)	: Not available
Other Properties	: Not available

SECTION 10 ~ STABILITY AND REACTIVITY

Stability	: The product is stable under the recommended handling and storage conditions.
Conditions to Avoid	: No decomposition if used in accordance with specification.
Incompatibles	: Strong oxidizing agents.
Decomposition Products	: Oxides of carbon and nitrogen, carbon monoxide, carbon dioxide.
Hazardous Polymerization	: None if used for intended purpose.

SECTION 11 ~ TOXICOLOGICAL INFORMATION

Acute oral effect : LD50	: No data available
Noise inhalation effect : LC-50	: No data available
Reproductive Effect	: None known
Skin contact	: May cause irritation to the skin
Eye contact	: Irritation
Skin absorption	: None identified
Ingestion	: May cause irritation of the mouth and throat, nausea, vomiting and diarrhea.

SECTION 12 ~ ECOLOGICAL INFORMATION

Aquatic Toxicity	: No data available on the adverse affects of this material on the environment. Miscible in water.
Persistence and degradability	: Readily and rapidly degradable.
Environmental details, conclusion	: Not regarded as dangerous for the environment.



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SECTION 13 ~ DISPOSAL INFORMATION

EWC Waste Code : EWC: 070699 waste not otherwise specified.

Appropriate Methods of Disposal : Small amounts may be flushed with water to sewer. Larger volumes must be sent to approved plant for destruction. Collect in marked containers and deliver to approved depot. Dispose of in accordance with local authority requirements.

SECTION 14 ~ TRANSPORT INFORMATION

UN No : None

IMDG Code : None

Marine Pollutant : None

Not classified as hazardous under transport regulations.

SECTION 15 ~ OTHER INFORMATION

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our product from the point of view of safety requirement and is not intended to guarantee any particular properties.

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