

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MPD Industries P.Ltd.
Plot No 59 & 63 Sanwer road Sector A , Indore , M.P India

Tel:+91 731 2720775 Fax +91 731 2720136
email: info@mpdyechem.com

Product Name: FAT 2260 Chemical Identity: Dehydrated castor oil fatty acid

Generic Name: Fatty Acid

Chemical Family: Castor Oil Acid; 12-Hydroxy-Oleic Acid; Ricinic Acid.

CAS Number: 061789-45-5

EINECS Number : 263-061-4

SECTION 2 HAZARDS IDENTIFICATION

Hazard Symbols: None Listed.

Risk Phrases: None Listed.

SECTION 3 COMPOSITION/INFORMATION OF INGREDIENTS

	Conc.	CAS	EINECS	Symbols/Risk phrases
Dehydrated castor oil fatty acid	100%	061789-45-5	263-061-4	None Listed

SECTION 4 FIRST AID MEASURES

Skin contact	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.
Eye contact	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Inhalation	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms
Ingestion	If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to unconscious person. Get medical aid if irritation or symptoms occur.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing media	Use agent most appropriate to extinguish fire. Use water spray, drychemical, carbon dioxide, or appropriate foam.
General Information	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.

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SECTION 6 ACCIDENTAL RELEASE MEASURES

General Information	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks	Clean up spills immediately, observing precautions in the Protective Equipment section
vermiculite.	
	Do not use combustible materials such as sawdust. Provide ventilation.

SECTION 7 HANDLING AND STORAGE

Handling	Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.
Storage	Keep container closed when not in use. Store in a tightly closed container. Store in a cool, well-ventilated area away from incompatible substances. No special precautions indicated.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures	Use adequate ventilation to keep airborne concentrations low.
Hand protection	Wear appropriate protective gloves to prevent skin exposure.
Eye protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Respirators	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN
limits	are exceeded or if irritation or other symptoms are experienced.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Viscous liquid
Colour (Gardner) Maximum.	2
Moisture Content Maximum	0.2
Iodine Value Wij's Minimum	130
Iodine Value Woburn Method	160 -175
Acid value	195 - 205
Saponification Value	198 - 208
Hydroxyl Value % Maximum	8
Specific Gravity @ 25°C	0.903 - 0.905
Refractive Index @ 25°C	4.5
Major fatty acid	Conjugated Linoleic

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under normal temperatures and pressures.
Conditions to avoid	Incompatible materials, excess heat, strong oxidants.
Incompatibilities with Other Materials	Oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.
Hazardous Polymerization:	Will not occur.

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SECTION 11 TOXICOLOGICAL INFORMATION

RTECS#	CAS# 141-22-0: VJ3150000
LD50/LC50	Not available.
Carcinogenicity	Ricinoleic Acid - Not listed by ACGIH, IARC, or NTP.
Other	See actual entry in RTECS for complete information.

SECTION 12 ECOLOGICAL INFORMATION

Mobility No data is available on this product.

SECTION 13 DISPOSAL CONSIDERATIONS

General information Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 TRANSPORT INFORMATION

IATA	Not regulated as a hazardous material.
IMO	Not regulated as a hazardous material.
RID/ADR	Not regulated as a hazardous material.

SECTION 15 REGULATORY INFORMATION

European/International Regulations European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Safety Phrases S 24/25 Avoid contact with skin and eyes.
S 28A After contact with skin, wash immediately with plenty of water.
S 37 Wear suitable gloves.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 16 OTHER INFORMATION

Further information The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

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