

MATERIAL SAFETY DATA SHEET

Product Name: Digesil NC

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Digesil NC

OTHER/GENERIC NAMES: None

PRODUCT USE: Stripper / Polymer Remover

MANUFACTURER: Chela LTD.
78 Bilton Way
Enfield Middlesex
EN3 7LW United Kingdom

EXCLUSIVE US DISTRIBUTOR: RPM Technology, LLC
P.O. Box 33186
Reno, NV 89533-3186

INFORMATION CALL: 886-403-4842 (Monday-Friday, 9:00am - 4:30pm Pacific)

IN CASE OF EMERGENCY CALL: (24 Hours/Day, 7 Days/Week)

800-424-9300 (CHEMTREC)

2. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>INGREDIENT NAME</u> | <u>CAS NUMBER</u> | <u>WEIGHT %</u> |
|-------------------------------|-------------------|-----------------|
| Mid Petroleum Distillate | 64742-81-0 | >90 |
| Dodecylbenzene sulphonic acid | 27176-87-0 | 5 – 10 |

Trace impurities and additional material names not listed above may appear in Section 15 of this MSDS. These materials may be listed for local "Right-To-Know" compliance and for other reasons.

OSHA Hazard Communication Standard: This product is considered hazardous under the OSHA Hazard Communication Standard.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Digesil NC is a clear brown liquid with a petroleum order. Corrosive and combustible. Eliminate potential sources of ignition. Aspiration hazard if swallowed. May cause burns to the eyes, skin and upper-respiratory system. Always wear appropriate personal protective equipment when using this product.

POTENTIAL HEALTH HAZARDS

SKIN: Irritating to skin.

EYES: Irritating to eyes.

INHALATION: May cause irritation of the respiratory tract with sore throat, coughing, shortness of breathe and delayed lung edema

INGESTION: Harmful if swallowed. Causes gastrointestinal irritation with nausea, vomiting and diarrhea.

DELAYED EFFECTS: Chronic exposure may casue effects similar to those of acute exposure.

Ingredients found on one of the three OSHA designated carcinogen lists are listed below.

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INGREDIENT NAME

NTP STATUS

IARC STATUS

OSHA LIST

No ingredients listed in this section.

4. FIRST AID MEASURES

SKIN: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation occurs, get medical attention. Wash contaminated clothing before reuse.

EYES: Immediately flush eyes with water and continue washing for several minutes. Get medical attention if irritation persists.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

INGESTION: Do not induce vomiting. Immediately give plenty of water. Get medical attention immediately. Do not give anything by mouth to an unconscious or convulsing person.

ADVICE TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

| | |
|---|--------------------|
| FLASH POINT: | >170°F (77°C) |
| FLASH POINT METHOD: | Closed Cup |
| AUTOIGNITION TEMPERATURE: | 450°F (204°C) |
| FLAME PROPAGATION RATE (solids): | Not determined |
| OSHA FLAMMABILITY CLASS: | Combustible Liquid |

EXTINGUISHING MEDIA:

Foam, dry chemical, carbon dioxide. Do not use direct water stream.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Vapors can travel along surfaces to distant ignition sources and flash back. Vapors can spread along ground and collect in low confined areas. As with any organic material, contact with strong oxidizers may cause fire or explosion.

SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS:

Wear self-contained breathing apparatus (SCBA) and full protective equipment

6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR OTHER RELEASE: (See section 8 for recommended personal protective equipment.)

Ventilate area. Remove sources of ignition. Wear appropriate personal equipment as specified in section 8. Isolate hazard area. Absorb spill with inert material (e.g. vermiculite, sand, earth or non-combustible absorbent material) and place in chemical waste container. Follow applicable Federal/State/Provincial and Local laws and regulations.

Spills and releases may have to be reported to Federal and/or local authorities. See Section 15 regarding reporting requirements.

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7. HANDLING AND STORAGE

NORMAL HANDLING: (See section 8 for recommended personal protective equipment.)

Keep away from heat, sparks and flames. Keep container tightly closed when not in use. Avoid contact with skin, eyes and on clothing. Avoid breathing vapor or mist. Remove contaminated clothing and wash thoroughly after handling.

STORAGE RECOMMENDATIONS:

Keep away from sources of ignition. Keep storage container tightly closed. Store in cool, dry, well-ventilated area or cabinet. Isolate from incompatible substances. Residual vapors might explode on ignition; do not apply heat, cut, drill, and grind or weld on or near this container.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Use local exhaust to keep airborne concentrations below the permissible exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

SKIN PROTECTION: Wear rubber gloves and protective clothing including boots, apron, or protective suit as appropriate to prevent skin exposure.

EYE PROTECTION: Wear appropriate safety glasses or chemical splash goggles and faceshield where contact due to splashing or spraying is possible.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

ADDITIONAL RECOMMENDATIONS: To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

EXPOSURE GUIDELINES

| <u>INGREDIENT NAME</u> | <u>ACGIH TLV</u> | <u>OSHA PEL</u> | <u>OTHER LIMIT</u> |
|----------------------------|-----------------------|-----------------------|--------------------|
| Mid Petroleum Distillate | 300 ppm TWA (skin) | 300 ppm TWA (skin) | ---- |
| Dodecylbenzensulfonic acid | none listed | none listed | |

OTHER EXPOSURE LIMITS FOR POTENTIAL DECOMPOSITION PRODUCTS:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|----------------|
| APPEARANCE: | Redish brown |
| PHYSICAL STATE: | Liquid |
| MOLECULAR WEIGHT: | Mixture |
| CHEMICAL FORMULA: | Mixture |
| ODOR: | Hydrocarbon |
| SPECIFIC GRAVITY (water = 1.0): | .82 @ 68°F |
| SOLUBILITY IN WATER (weight%): | < 10% |
| pH: | Not determined |
| BOILING POINT: | 329°F |

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| | |
|-----------------------------------|---------------------------------------|
| MELTING POINT: | Not determined |
| VAPOR PRESSURE: | 0.40 @ 77°F |
| VAPOR DENSITY (air = 1.0): | > 4.5 |
| EVAPORATION RATE: | > 1 Compared to: Butyl acetate |
| % VOLATILES: | > 90% |
| FLASH POINT: | >170°F (77°C) |

(Flash point method and additional flammability data are found in Section 5.)

10. STABILITY AND REACTIVITY

NORMALLY STABLE? (CONDITIONS TO AVOID):

Stable under normal conditions of use and storage. Avoid flame or other sources of ignition and incompatibles.

INCOMPATIBILITIES:

Sources of ignition, strong acids, strong oxidizers, strong reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Burning may produce combustion products (e.g., oxides of nitrogen, sulfur and nitrogen, carbon monoxide, carbon dioxide).

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity: Not listed by ACGIS, IARC, NTP, OSHA

12. ECOLOGICAL INFORMATION

Ecotoxicity LC50 (rainbow trout): 108 mg/L / 96 hr.
 EC50 (flea Daphnia): 11-23 mg/L / 48 hr.

13. DISPOSAL CONSIDERATIONS

RCRA

Is the unused product a RCRA hazardous waste if discarded? No

If yes, the RCRA ID number is: Not applicable

OTHER DISPOSAL CONSIDERATIONS:

The information offered in section 13 is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

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14. TRANSPORTATION INFORMATION

US DOT HAZARD CLASS: Combustible Liquid
US DOT ID NUMBER: NA1223
PROPER SHIPPING NAME: Combustible Liquid, n.o.s. Not regulated in containers less than 119 gallons.

UN Number Not Regulated

For additional information on shipping regulations affecting this material, contact the information number found in Section 1.

15. REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA)

TSCA INVENTORY STATUS: All components are listed on TSCA.

OTHER TSCA ISSUES: None

SARA TITLE III/CERCLA

"Reportable Quantities" (RQs) and/or "Threshold Planning Quantities" (TPQs) exist for the following ingredients.

| <u>INGREDIENT NAME</u> | <u>SARA/CERCLA RQ (lb)</u> | <u>SARA EHS TPQ (lb)</u> |
|--------------------------|----------------------------|--------------------------|
| Mid Petroleum Distillate | 1000 lb. | None have TPQ. |

Spills or releases resulting in the loss of any ingredient at or above its RQ requires immediate notification to the National Response Center [(800) 424-8802] and to your Local Emergency Planning Committee.

SECTION 311 HAZARD CLASS: Immediate. Chronic. Fire.

SARA 313 TOXIC CHEMICALS:

The following ingredients are SARA 313 "Toxic Chemicals" and may be subject to annual reporting requirements. CAS numbers and weight percents are found in Section 2.

| <u>INGREDIENT NAME</u> | <u>COMMENT</u> |
|---------------------------------------|----------------|
| No ingredients listed in this section | |

STATE RIGHT-TO-KNOW

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

| <u>INGREDIENT NAME</u> | <u>WEIGHT %</u> | <u>COMMENT</u> |
|-------------------------------|-----------------|----------------|
| Dodecylbenzene sulphonic acid | < 10% | |

Found on the following state right to know lists: California, New Jersey, Pennsylvania, and Massachusetts.

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16. OTHER INFORMATION

CURRENT ISSUE DATE: August 2005 (US draft)

PREVIOUS ISSUE DATE: August 2003 (UK)

OTHER INFORMATION: HMIS: 2-2-0
 NFPA 2-2-0