



SAFETY DATA SHEET

1. Identification

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|---|---|
| Product identifier | Disc Brake Quiet |
| Other means of identification | |
| Product code | 05015, 05016, 05115, 05116 |
| Recommended use | Apply to brakes to decrease noise |
| Recommended restrictions | None known. |
| Manufacturer/Importer/Supplier/Distributor information | |
| Manufactured or sold by: | |
| Company name | CRC Industries, Inc. |
| Address | 885 Louis Dr. Warminster, PA 18974 US |
| Telephone | |
| General Information | 215-674-4300 |
| Technical Assistance | 800-521-3168 |
| Customer Service | 800-272-4620 |
| 24-Hour Emergency (CHEMTREC) | 800-424-9300 (US) 703-527-3887 (International) |
| Website | www.crcindustries.com |

2. Hazard(s) identification

| | | |
|------------------------------|--|------------|
| Physical hazards | Not classified. | |
| Health hazards | Specific target organ toxicity, repeated exposure | Category 2 |
| Environmental hazards | Hazardous to the aquatic environment, acute hazard | Category 3 |
| OSHA defined hazards | Not classified. | |
| Label elements | | |



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| Signal word | Warning |
| Hazard statement | May cause damage to organs (kidneys, liver, blood) through prolonged or repeated exposure. Harmful to aquatic life. |
| Precautionary statement | |
| Prevention | Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Do not breathe mist or vapor. Avoid release to the environment. |
| Response | Get medical advice/attention if you feel unwell. |
| Storage | Store away from incompatible materials. |
| Disposal | Dispose of contents/container in accordance with local/regional/national regulations. |
| Hazard(s) not otherwise classified (HNOC) | None known. |
| Supplemental information | 78.06% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. |

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|-----------------|--------------------------|------------|---------|
| Water | | 7732-18-5 | 20 - 30 |
| Ethylene glycol | | 107-21-1 | 1 - 3 |
| Triethanolamine | | 102-71-6 | 1 - 3 |
| Diethanolamine | | 111-42-2 | < 0.3 |

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

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| Inhalation | If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist. |
| Skin contact | Rinse skin with water/shower. Get medical attention if irritation develops and persists. |
| Eye contact | Rinse with water. Get medical attention if irritation develops and persists. |
| Ingestion | Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately. |
| Most important symptoms/effects, acute and delayed | Prolonged exposure may cause chronic effects. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. |
| General information | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

5. Fire-fighting measures

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| Suitable extinguishing media | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂). |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |
| Specific hazards arising from the chemical | During fire, gases hazardous to health may be formed. |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| General fire hazards | No unusual fire or explosion hazards noted. |

6. Accidental release measures

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| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
| Methods and materials for containment and cleaning up | Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. |
| Environmental precautions | Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases. |

7. Handling and storage

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|---|---|
| Precautions for safe handling | Provide adequate ventilation. Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. For product usage instructions, please see the product label. |
| Conditions for safe storage, including any incompatibilities | Store in a cool, dry place out of direct sunlight. Keep container tightly closed. Protect from freezing. Store away from incompatible materials (see Section 10 of the SDS). |

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|--------------------------------|---------|-----------------------|-------------------------------|
| Diethanolamine (CAS 111-42-2) | TWA | 1 mg/m ³ | Inhalable fraction and vapor. |
| Ethylene glycol (CAS 107-21-1) | Ceiling | 100 mg/m ³ | Aerosol. |
| Triethanolamine (CAS 102-71-6) | TWA | 5 mg/m ³ | |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value |
|-------------------------------|------|-------------------------------|
| Diethanolamine (CAS 111-42-2) | TWA | 15 mg/m ³ 3 ppm |

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure guidelines

US - California OELs: Skin designation

Diethanolamine (CAS 111-42-2) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Diethanolamine (CAS 111-42-2) Can be absorbed through the skin.

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. 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.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear protective gloves such as: Nitrile. Neoprene.

Other Wear suitable protective clothing.

Respiratory protection If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Solid, Liquid.

Form Solid. Semi-solid paste.

Color Red.

Odor Acrylic.

Odor threshold Not available.

pH Not available.

Melting point/freezing point -74.2 °F (-59 °C) estimated

Initial boiling point and boiling range 212 °F (100 °C) estimated

Flash point None (Tag Closed Cup)

Evaporation rate Slow.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

| | |
|--------------------------------|------------------|
| Flammability limit - lower (%) | 0.7 % estimated |
| Flammability limit - upper (%) | 15.3 % estimated |

| | |
|---|-----------------------------|
| Vapor pressure | 12.1 hPa estimated |
| Vapor density | Not available. |
| Relative density | 1.03 |
| Solubility (water) | Dispersible. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | 700 °F (371.1 °C) estimated |
| Decomposition temperature | Not available. |
| Viscosity (kinematic) | Not available. |
| Percent volatile | 39.1 % estimated |

10. Stability and reactivity

| | |
|------------------------------------|---|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | Contact with incompatible materials. Protect from freezing. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous decomposition products | Acrylic monomers. |

11. Toxicological information

Information on likely routes of exposure

| | |
|--------------|---|
| Inhalation | May cause irritation to the respiratory system. |
| Skin contact | Prolonged skin contact may cause temporary irritation. |
| Eye contact | Direct contact with eyes may cause temporary irritation. |
| Ingestion | Swallowing this material may cause gastrointestinal discomfort. May cause damage to organs through prolonged or repeated exposure by ingestion. |

| | |
|--|--|
| Symptoms related to the physical, chemical and toxicological characteristics | Direct contact with eyes may cause temporary irritation. |
|--|--|

Information on toxicological effects

| | |
|----------------|----------------|
| Acute toxicity | Not available. |
|----------------|----------------|

| Product | Species | Test Results |
|-------------------|---------|---|
| Disc Brake Quiet | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | 9914 mg/kg estimated |
| Inhalation | | |
| LC50 | Rat | 9650 ppm estimated 8666 mg/l, 4 Hours estimated 250 mg/l, 6 hours estimated |
| Oral | | |
| LD50 | Human | 70000 mg/kg estimated |
| | Rat | 9426 mg/kg estimated |

* Estimates for product may be based on additional component data not shown.

| | |
|---------------------------|--|
| Skin corrosion/irritation | Prolonged skin contact may cause temporary irritation. |
|---------------------------|--|

| | |
|---|---|
| Serious eye damage/eye irritation | Direct contact with eyes may cause temporary irritation. |
| Respiratory sensitization | Not a respiratory sensitizer. |
| Skin sensitization | This product is not expected to cause skin sensitization. |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| Carcinogenicity | Risk of cancer cannot be excluded with prolonged exposure. |
| IARC Monographs. Overall Evaluation of Carcinogenicity | |
| Diethanolamine (CAS 111-42-2) | 2B Possibly carcinogenic to humans. |
| Triethanolamine (CAS 102-71-6) | 3 Not classifiable as to carcinogenicity to humans. |
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. |
| Specific target organ toxicity - single exposure | Not classified. |
| Specific target organ toxicity - repeated exposure | May cause damage to organs through prolonged or repeated exposure by ingestion. Kidneys. Liver. Blood. |
| Aspiration hazard | Not an aspiration hazard. |
| Chronic effects | May cause damage to organs through prolonged or repeated exposure. May be harmful if absorbed through skin. Prolonged exposure may cause chronic effects. |
| | Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans. |

12. Ecological information

| | | | |
|--------------------------------|--------------------------|---|------------------------------------|
| Ecotoxicity | Harmful to aquatic life. | | |
| Product | | Species | Test Results |
| Disc Brake Quiet | | | |
| Aquatic | | | |
| Crustacea | EC50 | Daphnia | 4618.0098 mg/l, 48 hours estimated |
| Fish | LC50 | Fish | 4543.5259 mg/l, 96 hours estimated |
| Components | | Species | Test Results |
| Diethanolamine (CAS 111-42-2) | | | |
| Aquatic | | | |
| Crustacea | EC50 | Water flea (Ceriodaphnia dubia) | 61.8 - 86.04 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 100 mg/l, 96 hours |
| Ethylene glycol (CAS 107-21-1) | | | |
| Aquatic | | | |
| <i>Acute</i> | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 41000 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 22810 mg/l, 96 hours |
| Triethanolamine (CAS 102-71-6) | | | |
| Aquatic | | | |
| Crustacea | EC50 | Water flea (Ceriodaphnia dubia) | 565.2 - 658.3 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 10610 - 13010 mg/l, 96 hours |

* Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

| | |
|-----------------|-------|
| Diethanolamine | -1.43 |
| Ethylene glycol | -1.36 |
| Triethanolamine | -1 |

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal of waste from residues / unused products This product is not a RCRA hazardous waste (See 40 CFR Part 261.20 – 261.33). Empty containers may be recycled. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with all applicable regulations.

Hazardous waste code Not regulated.

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

SARA 304 Emergency release notification

Not regulated.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Ethylene glycol (CAS 107-21-1)

CERCLA Hazardous Substance List (40 CFR 302.4)

Ethylene glycol (CAS 107-21-1) Listed.

CERCLA Hazardous Substances: Reportable quantity

Ethylene glycol (CAS 107-21-1) 5000 LBS

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

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Ethylene glycol (CAS 107-21-1)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 311/312 Hazard categories Immediate Hazard - No
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance No

US state regulations

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Diethanolamine (CAS 111-42-2)

Ethylene glycol (CAS 107-21-1)

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. New Jersey Worker and Community Right-to-Know Act

Triethanolamine (CAS 102-71-6)

Ethylene glycol (CAS 107-21-1)

Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)

US. Massachusetts RTK - Substance List

Ethylene glycol (CAS 107-21-1)

Triethanolamine (CAS 102-71-6)

US. Pennsylvania Worker and Community Right-to-Know Law

Ethylene glycol (CAS 107-21-1)

Acrylonitrile (CAS 107-13-1)

Diethanolamine (CAS 111-42-2)

Formaldehyde (CAS 50-00-0)

Triethanolamine (CAS 102-71-6)

US. Rhode Island RTK

Ethylene glycol (CAS 107-21-1)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

| | |
|------------------------------------|-------------------------|
| 1,3-Dichloropropene (CAS 542-75-6) | Listed: January 1, 1989 |
| 1,4-Dioxane (CAS 123-91-1) | Listed: January 1, 1988 |
| Acrylonitrile (CAS 107-13-1) | Listed: July 1, 1987 |
| D&C ORANGE NO. 17 (CAS 3468-63-1) | Listed: July 1, 1990 |
| Diethanolamine (CAS 111-42-2) | Listed: June 22, 2012 |
| Ethanal (CAS 75-07-0) | Listed: April 1, 1988 |
| Ethyl acrylate (CAS 140-88-5) | Listed: July 1, 1989 |
| Ethylene oxide (CAS 75-21-8) | Listed: July 1, 1987 |
| Formaldehyde (CAS 50-00-0) | Listed: January 1, 1988 |
| Methylene chloride (CAS 75-09-2) | Listed: April 1, 1988 |

US - California Proposition 65 - CRT: Listed date/Developmental toxin

| | |
|------------------------------|------------------------|
| Ethylene oxide (CAS 75-21-8) | Listed: August 7, 2009 |
|------------------------------|------------------------|

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin

| | |
|------------------------------|---------------------------|
| Ethylene oxide (CAS 75-21-8) | Listed: February 27, 1987 |
|------------------------------|---------------------------|

US - California Proposition 65 - CRT: Listed date/Male reproductive toxin

| | |
|------------------------------|------------------------|
| Ethylene oxide (CAS 75-21-8) | Listed: August 7, 2009 |
|------------------------------|------------------------|

Volatile organic compounds (VOC) regulations

EPA

VOC content (40 CFR 51.100(s)) 4 %

Consumer products (40 CFR 59, Subpt. C) Not regulated

State

Consumer products Not regulated

VOC content (CA) 0.8 %

VOC content (OTC) 0.8 %

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | No |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | No |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

| | |
|----------------------------|---|
| Issue date | 04-22-2015 |
| Prepared by | Allison Cho |
| Version # | 01 |
| Further information | CRC # 562A-C |
| HMIS® ratings | Health: 1* Flammability: 0 Physical hazard: 0 Personal protection: B |
| NFPA ratings | Health: 1 Flammability: 0 Instability: 0 |

NFPA ratings



Disclaimer

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