

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 03.31.2015

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Rotor Wipes

SECTION 1 : Identification of the substance/mixture and of the supplier

Product name : Rotor Wipes

Manufacturer/Supplier Trade name: Rotor Wipes

Manufacturer/Supplier Article number: Rotor Wipes P/N 7005744

Recommended uses of the product and restrictions: Cleaning wipes for machined rotors and drums specially formulated with a solution which is safe. No significant hazards will arise from the intended and correct use of this product.

Note: Warnings below are for exposure to large quantities of the product. Normal and intended usage should not create hazardous conditions.

Manufacturer Details:

CDI

PO Box 269

Bath, Ohio 44281

Emergency telephone number:

Chemtrec 1.800.424.9300

SECTION 2 : Hazards identification

Classification of the substance or mixture:

Flammable Liquid, category 3

Signal Word: Warning



Hazard statements:

Flammable liquid and vapor

Precautionary statements:

If medical advice is needed, have product container or label at hand

Keep out of reach of children

Read label before use

Keep away from heat/sparks/open flames/hot surfaces. No smoking

Use explosion-proof electrical/ventilating/light/equipment

Wear protective gloves/protective clothing/eye protection/face protection

Ground/bond container and receiving equipment

Keep container tightly closed

Use only non-sparking tools

Take precautionary measures against static discharge

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

In case of fire: Use agents recommended in section 5 for extinction

Store in a well ventilated place. Keep cool

Dispose of contents and container to an approved waste disposal plant

Other Non-GHS Classification:

WHMIS

B3



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NFPA/HMIS



NFPA SCALE (0-4)

Health	1
Flammability	2
Physical Hazard	0
Personal Protection	X

HMIS RATINGS (0-4)

SECTION 3 : Composition/information on ingredients

Ingredients:		
CAS 67-63-0	Isopropanol	2.5 %
CAS Trade Secret	Glycol Ether	<5 %
CAS 7732-18-5	Deionized Water	90-95 %

Percentages are by weight

SECTION 4 : First aid measures

Description of first aid measures

After inhalation: Move exposed individual to fresh air. Loosen clothing as necessary and position individual in a comfortable position. Seek medical advice if discomfort or irritation persists.

After skin contact: Wash hands and exposed skin with soap and plenty of water. Seek medical attention if irritation persists or if concerned.

After eye contact: Protect unexposed eye. Flush exposed eye gently using water for 15-20 minutes. Remove contact lenses while rinsing. Seek medical attention if irritation persists.

After swallowing: Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed:

Irritation. Shortness of breath. Headache. Nausea. Dizziness.;

Indication of any immediate medical attention and special treatment needed:

If seeking medical attention, provide SDS document to physician. Physician should treat symptomatically.

SECTION 5 : Firefighting measures

Extinguishing media

Suitable extinguishing agents: Use water, dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents: Direct water jet may be ineffective on fire.

Special hazards arising from the substance or mixture:

Thermal decomposition can lead to release of irritating gases and vapors.

Advice for firefighters:

Protective equipment: Wear protective eyewear, gloves, and clothing. Refer to Section 8. Wear protective eyewear, gloves, and clothing. Refer to Section 8.

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Additional information (precautions): Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing. Do not inhale gases, fumes, dust, mist, vapor, and aerosols. Vapors are heavier than air. Be aware of vapor accumulating in low-lying areas. Flashback may occur along vapor trail. Remove sources of ignition.

SECTION 6 : Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure equipment is approved for use with flammable liquids. Keep away from ignition sources. Protect from heat. Ensure that air-handling systems are operational.

Environmental precautions:

Prevent from reaching drains, sewer or waterway. Should not be released into environment. Prevent further leakage or spillage.

Methods and material for containment and cleaning up:

Use spark-proof tools and explosion-proof equipment. Have fire extinguishing agent available in case of fire. Always obey local regulations. If necessary use trained response staff or contractor. Evacuate personnel to safe areas. Remove all sources of ignition. Absorb with a noncombustible absorbent material such as sand or earth and containerize for disposal. Refer to Section 13. Ventilate area of spill.

Reference to other sections:

SECTION 7 : Handling and storage

Precautions for safe handling:

Do not eat, drink, smoke, or use personal products when handling chemical substances. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes, and clothing. Empty containers retain product residue and can be dangerous.

Conditions for safe storage, including any incompatibilities:

Store in a cool location. Store securely in flammable storage area away from sources of ignition. Keep away from food and beverages. Keep container tightly sealed. Store away from incompatible materials.

SECTION 8 : Exposure controls/personal protection



Control Parameters:

67-63-0, Isopropanol, ACGIH: 400 ppm STEL; 200 ppm TWA
67-63-0, Isopropanol, NIOSH: 500 ppm STEL; 1225 mg/m³ STEL
67-63-0, Isopropanol, NIOSH: 400 ppm TWA; 980 mg/m³ TWA

Appropriate Engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Respiratory protection:

Where risk assessment shows respirator is required, wear NIOSH-approved multi-purpose cartridge respirator as a back-up to engineering controls.

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Protection of skin:	Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Use proper glove removal technique without touching outer surface. Avoid skin contact with used gloves. Wear protective clothing.
Eye protection:	Wear ANSI Z87 approved safety glasses with side shields or goggles.
General hygienic measures:	Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes, and clothing. Before reworking wash contaminated clothing. Wash hands before breaks and at the end of work. Perform routine housekeeping.

SECTION 9 : Physical and chemical properties

Appearance(physical state,color):	Clear, colorless liquid	Explosion limit lower: Explosion limit upper:	~1.1% ~12.7%
Odor:	Slight alcohol odor	Vapor pressure:	>0.4 @ 20C
Odor threshold:	Not determined	Vapor density:	>1
pH-value:	4.35 (neat)	Relative density:	0.9862 @ 25C
Melting/Freezing point:	Not determined	Solubilities:	Water soluble
Boiling point/Boiling range:	>180F	Partition coefficient (n-octanol/water):	Not determined
Flash point (closed cup):	82F	Auto/Self-ignition temperature:	>4601F
Evaporation rate:	>0.1	Decomposition temperature:	Not determined
Flammability (solid,gaseous):	flammable liquid	Viscosity:	a. Kinematic: Not determined b. Dynamic: Not determined
Density: Not determined			

SECTION 10 : Stability and reactivity

Reactivity: Nonreactive under normal conditions.
Chemical stability: Stable under normal conditions.
Possible hazardous reactions: None under normal processing. None under normal processing.
Conditions to avoid: Incompatible materials. Heat, flames, and sparks.
Incompatible materials: Oxidizing agents, Acid anhydrides, Aluminium, Halogenated compounds, Acids. May attack some forms of plastics, rubbers, and coatings.
Hazardous decomposition products: Toxic oxides of carbon, acrid and irritating fumes. Aldehydes, ketones, and organic acids.

SECTION 11 : Toxicological information

Acute Toxicity: No additional information.

Chronic Toxicity: No additional information.

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Corrosion Irritation: No additional information.	
Sensitization:	No additional information.
Single Target Organ (STOT):	No additional information.
Numerical Measures:	No additional information.
Carcinogenicity:	No additional information.
Mutagenicity:	No additional information.
Reproductive Toxicity:	No additional information.

SECTION 12 : Ecological information

Ecotoxicity Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility in soil: No information available.

Other adverse effects: No information available.

SECTION 13 : Disposal considerations

Waste disposal recommendations:

Product or containers must not be disposed together with household garbage. Contact a licensed professional waste disposal service to dispose of this material. It is the responsibility of chemical waste generators to consult local, state, and Federal regulations to determine proper characterization of hazardous waste.

SECTION 14 : Transport information

UN-Number

UN3175

UN proper shipping name

Consumer Commodity

Transport hazard class(es) ORM-D

Packing group: None

Environmental hazard:

Transport in bulk:

Special precautions for user:

SECTION 15 : Regulatory information

United States (USA)

SARA Section 311/312 (Specific toxic chemical listings):

Fire

SARA Section 313 (Specific toxic chemical listings):

67-63-0 Isopropanol

RCRA (hazardous waste code):

None of the ingredients is listed

TSCA (Toxic Substances Control Act):

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All ingredients are listed.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

None of the ingredients is listed

Proposition 65 (California):

Chemicals known to cause cancer:

None of the ingredients is listed

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed

Chemicals known to cause developmental toxicity:

None of the ingredients is listed

Canada

Canadian Domestic Substances List (DSL):

All ingredients are listed.

Canadian NPRI Ingredient Disclosure list (limit 0.1%):

None of the ingredients is listed

Canadian NPRI Ingredient Disclosure list (limit 1%):

67-63-0 Isopropanol

SECTION 16 : Other information

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material. Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material. This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Note:

GHS Full Text Phrases:

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

PNEC: Predicted No-Effect Concentration (REACH)

CFR: Code of Federal Regulations (USA)

SARA: Superfund Amendments and Reauthorization Act (USA)

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TSCA: Toxic Substances Control Act (USA)

NPRI: National Pollutant Release Inventory (Canada)

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

DNEL: Derived No-Effect Level (REACH)

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