

CASTROL NORTH AMERICA INC.
CONSUMER
MATERIAL SAFETY DATA SHEET

SECTION I: IDENTITY

Product/Material Name: Castrol Super Clean AccuVision Direct Apply
Chemical Name: Mixture
Chemical Family/Classification: Water and Alcohol Based Solution
Molecular Weight: NA
Material Use: Cleaner

Chemical Formula: NA

HMIS HAZARD RATING:

[0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe]

Health: 2

Flammability: 2

Reactivity: 1

WARNING STATEMENTS (If Applicable):

CAUTION! EYE IRRITANT.

MANUFACTURER'S/ SUPPLIER NAME & ADDRESS:

In the US:

Castrol North America Inc.
1500 Valley Road
Wayne, NJ 07474
Telephone: (973) 633-2200
Telecopier: (973) 633-7475

In Canada:

Castrol Canada Inc.
3660 Lakeshore Blvd.
Toronto, Ontario M8W 1P2
Telephone: (416) 252-5511
Telecopier: (416) 252-1774

IN THE EVENT OF AN EMERGENCY PLEASE CALL: BP Emergency Response Center 1-800-321-8642

Date Prepared/Updated: 2/16/2001

Preparer: Regulatory, Environmental, Safety Department
Telephone: (973) 633-2200

SECTION II: PRODUCT/HAZARDOUS INGREDIENT INFORMATION

INGREDIENTS - CHEMICAL/COMMON NAME	EXPOSURE LIMITS - TLV	LD ₅₀	LC ₅₀	%
Water [CASRN 7732-18-5]	ND	ND	ND	80-100
Propylene glycol mono butyl ether [CASRN 5131-66-8]	ND	Oral, rat: 3300 mg/kg	ND	0-5
Isopropyl Alcohol [CASRN 67-63-0]	PEL/TWA: 400 ppm (OSHA, ACGIH) STEL 500 ppm., (OSHA, ACGIH)	Oral, rat: 5045 mg/kg	Inhalation, 4 hr., rat: 16,000 ppm	0-5
Ethylene Glycol [CASRN 107-21-0]	PEL: 50 ppm Ceiling (OSHA) TLV: 50 ppm Ceiling (vapor) (ACGIH)	ND	ND	0-2
Proprietary Additives [CASRN NA - MIXTURE]	ND	ND	ND	0-5

SECTION III: FIRST AID MEASURES

Signs/Symptoms: Eye irritation, redness, tearing; Skin irritation.

Eye contact: Flush immediately with clear water for at least 15 minutes. Seek medical attention.

Skin contact: Remove contaminated clothing and wash before reuse. Flush skin with soap and water for 15 minutes. Seek medical attention if irritation persists or if systemic effects occur.

Inhalation: Remove person from exposure to fresh air and get medical attention immediately. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.

Ingestion: Induce vomiting immediately as directed by medical personnel. Seek prompt medical attention. Never give anything by mouth to an unconscious person.

SECTION IV: HEALTH HAZARD DATA

Exposure Limits:

See Section II, Product/Ingredient Information.

PRIMARY ROUTES OF ENTRY:

- Eye Contact
- Skin Contact
- Skin Absorption
- Inhalation (Acute)
- Inhalation (Chronic)
- Ingestion

EFFECTS OF EXPOSURE

Acute - (Evaluation based on components and/or similar products)

Eyes: Causes mild to moderate eye irritation. Vapors may cause eye irritation.

Skin: May cause minor skin irritation. Prolonged or repeated contact may dry the skin. Passage of this material into the body through the skin is possible, but unlikely.

Respiratory system: Exposure to heated vapors or mist can cause throat irritation and headache.

Ingestion: Material can be a slight health hazard if ingested in large quantities

Chronic - (Evaluation based on components and/or similar products)

Repeated exposures by any route can cause mild reversible liver and central nervous effects. Skin allergy can develop.

Aggravation of pre-existing conditions -

Persons with pre-existing skin disorders, eye problems, or impaired liver, kidney, or respiratory function may be more susceptible to the effects of this substance.

TOXICOLOGY DATA (Product)

Acute Data (Median Lethal Dose - species)

- Oral LD₅₀ - rat: ND
- Dermal LD₅₀ - rabbit: ND
- Inhalation LC₅₀ - rat: ND

Irritancy Data

- Eye Irritation - rabbit: ND
- Skin Irritation - rabbit: ND
- Sensitization - guinea pig: ND

SECTION V: EMPLOYEE PROTECTION

Ventilation: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Use of respirator depends on airborne exposure levels found in the facility. Use appropriate NIOSH or self contained respirator in accordance with 29 CFR 1910.132 and 1910.134 to prevent overexposure.

Eye: Use splash proof chemical safety goggles or appropriate full-face respirator.

Gloves (specify): Wear impervious type, such as polyvinyl chloride to prevent skin contact.

Clothing: Protective clothing to prevent contact.

Other: Eyewash and safety shower should be located in immediate work area.

Storage/Handling: Do not store near heat, sparks, or flame. Maintain adequate ventilation.

SECTION VI: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point, °C: ND

Specific Gravity (Water=1): 1

Vapor Pressure (mmHg @ 25 °C): ND

Vapor Density (Air=1): > 1

Percent Volatiles: Nearly 100 %

Evaporation Rate (BuAc=1): > 1

Solubility in Water: Complete

Freezing Point: Approximately 30 °F (-1 °C)

pH-Value: 6.0 - 8.0

Viscosity @ 40 °C, cSt.: ND

Odor Threshold: ND

Coefficient of Water/Oil Distribution: ND

Appearance, Odor & Physical State: Clear liquid with little or no odor

SECTION VII: FIRE AND EXPLOSION DATA

FLAMMABILITY Yes No

Flash Point (TCC): 137° F (TCC)

Fire Point (TCC): ND

Autoignition Temperature: ND

Flammability limits in Air, % Vol.: Upper - ND

Lower - ND

Extinguishing Media:

Use carbon dioxide, dry chemical, alcohol foam, and mist or fog.

Special Firefighting Procedures/Unusual and Explosion Hazards:

Firefighters should use self-contained breathing apparatus in pressure demand with full facepiece. Wear full protective gear. Cool fire exposed containers with water.

EXPLOSION DATA

Sensitivity to Mechanical Impact: ND

Sensitivity to Static Discharge: ND

SECTION VIII: REACTIVITY

Stability: Stable at ambient temperatures in closed containers.

Hazardous Polymerization: Will not occur.

Conditions and Materials to Avoid (Incompatibilities):

Heat, high temperatures, open flame.

Oxidizing materials,

Hazardous Combustion or Decomposition Products:

Smoke, fumes, oxides of carbon, formaldehyde.

SECTION IX: ENVIRONMENTAL PROTECTION

FOR TRANSPORTATION RELATED SPILLS, LEAKS, FIRE, EXPOSURE, OR ACCIDENT:

In United States, call CHEMTREC: (800) 424-9300, 24 hrs.

In Canada, call CANUTEC collect: (613) 996-8666, 24 hours.

Spill or Leak Procedures:

Remove all ignition sources and provide adequate ventilation. Use proper personal protective equipment. Absorb using a non-combustible material such as earth or sand. Scoop up with a non-sparking tool. Use water spray to disperse the gas/vapor.

Large spills - Wear respirator and appropriate protective clothing. Stop source of leak if possible. Dike, contain spill and recover free liquid. Prevent entry into waterways. Neutralize and/or soak up residue with an inert absorbent such as clay, sand or other suitable materials; Store and dispose of properly. Flush area with water. Where feasible and appropriate, remove contaminated soil.

Small spills - Neutralize and/or soak up spill with an inert absorbent such as clay, sand or other suitable materials; Store in a closed container and dispose of properly.

Regulatory spill reporting requirements may apply; contact governmental agency or legal counsel for advice.

Waste Disposal Method:

Under RCRA, the applicable hazardous waste classification must be evaluated prior to disposal of the material. Use of the product, processing or contamination may render the resulting material hazardous.

All recovered material should be packaged, labeled, transported and disposed of or reclaimed in accordance with governmental regulations regarding air pollution, water pollution or health.

CAUTION: Improper disposal or reuse of the empty container may be hazardous and illegal. Cutting or welding of empty containers may cause fire, explosion or toxic fumes from residues. Do not pressurize or expose to open flame or heat. Keep container closed and drum bungs in place. Refer to applicable governmental regulations.

SECTION X: REGULATORY INFORMATION

TRANSPORTATION

Special Shipping Information/DOT Proper Shipping Name:

Flammable Liquid NOS (contains Isopropanol), 3 UN1993 PGIII

In the US, when shipped by ground only, may be reclassified as Combustible Liquid NOS (contains Isopropanol), 3 NA1993 and is not regulated for packages less than 110 gallons according to 49 CFR 173.120(b) and 173.150(f)

CHEMICAL CONTROL REGULATIONS:

TSCA Status: All components of this product appear on the U.S. Toxic Substance Control Act Chemical Substances Inventory.

Canadian Environmental Protection Act: Certain components of this product do not appear on the Canadian Domestic Substances List and must be tracked if imported into Canada.

Canadian Workplace Hazardous Material Identification System (WHMIS) Classification:

- Class A - Compressed Gas
- Class B-1 - Flammable Gases
- Class B-2 - Flammable Liquids
- Class B-3 - Combustible Liquids
- Class B-4 - Flammable Solids
- Class B-5 - Flammable Aerosols
- Class B-6 - Reactive Flammable Materials
- Class C - Oxidizing Material
- Class D, Div. 1 - Materials Causing Immediate and Serious Toxic Effects
- Class D-1A - Very Toxic Material
- Class D-1B - Toxic Material
- Class D, Div. 2 - Materials Causing Other Toxic Effects
- Class D-2A - Very Toxic Materials
- Class D-2B - Toxic Materials
- Class D-3 - Biohazardous Infectious Material
- Class E - Corrosive Material
- Class F - Dangerously Reactive Material

EPCRA (SARA Title III):

Section 302/304 Extremely Hazardous Substance: NA

CERCLA Section 102(a) Hazardous Substance: NA

Section 311 Hazard Category

- Acute (immediate)
- Chronic (delayed)
- Fire
- Sudden Release of Pressure
- Reactive
- Not applicable

Section 313 Toxic Release Inventory Chemical/Category:

Glycol Ethers, 4.5% (wt.) maximum.
Ethylene Glycol (CASRN 107-21-1), max wt. 1.0%

U.S. STATE RIGHT TO KNOW LAWS

New Jersey Worker and Community Right to Know Act, N.J.A.C. 8:59-5 Labeling Information:
See Section II.

California Safe Drinking Water Enforcement Act (Proposition 65):

This product contains one or more chemicals known to the State of California to cause cancer or reproductive harm.

NOTICE:

The information presented herein is compiled from sources considered to be dependable, believed to be accurate to the best of Castrol's knowledge, and offered in good faith for the purpose of hazard communication. Because product use is beyond our control, no warranty is given, expressed or implied. Castrol cannot assume any liability for the use of information contained herein. To determine applicability or effect of any law or regulation with respect to the product, users should consult a legal advisor or appropriate governmental agency.
