

CASTROL NORTH AMERICA INC.
CONSUMER
MATERIAL SAFETY DATA SHEET

SECTION I: IDENTITY

Product/Material Name: Castrol Super Clean Cleaner/Degreaser
 Chemical Name: Mixture
 Chemical Family/Classification: Alkaline aqueous liquid
 Molecular Weight: NA
 Material Use: Multi-purpose cleaner/degreaser

Chemical Formula: NA

HMIS HAZARD RATING:

[0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe]
 Health: 3
 Flammability: 0
 Reactivity: 1

WARNING STATEMENTS (If Applicable):

DANGER! CAUSES EYE AND SKIN BURNS. Avoid contact.

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 West
 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: 08/21/2000

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	60-100
2-Butoxyethanol [CASRN 111-76-2]	PEL/TWA: 25 ppm.. skin (OSHA, ACGIH)	Oral, rabbit: 300 mg/kg Dermal, rabbit: 220 mg/kg Intravenous, rabbit: 252 mg/kg Intraperitoneal, rat: 220 mg/kg	Inhalation, 7 hr., mouse: 700 ppm.	5-10
Sodium xylenesulfonate [CASRN 1300-72-7]	ND	ND	ND	1-5
Nonylphenol ethoxylate [CASRN 127087-87-0]	ND	ND	ND	1-5
Sodium hydroxide [CASRN 1310-73-2]	PEL/TWA: 2 mg/m3 (OSHA, ACGIH), Ceiling	Oral, mouse: 40 mg/kg	ND	1-5
Sodium metasilicate pentahydrate [CASRN 6834-92-0]	ND	Oral, mouse: 770 mg/kg	ND	1-5
Other additives [CASRN, NA]	ND	ND	ND	0.5-1.5
Dye and fragrance [CASRN, NA]	ND	ND	ND	0.1-1

SECTION III: FIRST AID MEASURES

Signs/Symptoms:

Eyes: Irritation, redness, tearing, pain; Conjunctival swelling, burns.

Skin: Irritation, redness, extreme dryness and peeling, scarring.

Respiratory system: Nasal and respiratory irritation, pneumonitis, tissue damage

Eye contact: Immediately flush with plenty of clean water for at least 15 minutes. Consult a physician immediately.

Skin contact: Remove clothing. Immediately flush skin with plenty of clean water for 15 minutes. Call a physician immediately.

Inhalation: Remove from area of exposure. If breathing is difficult or irritation persists, call a physician.

Ingestion: Do not induce vomiting. Give plenty of water or milk and call a physician immediately. Do not give anything by mouth to an unconscious or convulsing 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 - DANGER! CORROSIVE LIQUID

Eyes: Can cause severe irritation or burns. Avoid contact.

Skin: Can cause severe irritation or burns. Avoid contact.

Respiratory system: Can cause irritation or burns following inhalation of mists.

Ingestion: Can cause severe irritation or burns to digestive tract. Do not swallow.

Chronic - No chronic effects known.

Medical Conditions Generally Aggravated by Exposure: Pre-existing skin disorders.

TOXICOLOGY DATA (Product)

Acute Data (Median Lethal Dose - species)

Oral LD₅₀ - rat: 8.2 g/kg

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: General ventilation and local exhaust recommended. Build up of mists/vapors in the working atmosphere must be prevented.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Respirators should be used when engineering or other controls are not technically feasible. When required, use only a MSHA/NIOSH approved air supplied respirator or an air-purifying respirator.

Eye: Safety goggles or face shield.

Gloves (specify): Impervious type gloves, such as rubber, neoprene, nitrile, polyethylene.

Clothing: Protective clothing such as a coverall or apron may be used to minimize skin contact.

Footwear: No special requirement.

Other: Eye wash and safety shower recommended in industrial settings.

Work/Hygienic Practices: Avoid skin and eye contact. Do not wear contaminated clothing; Launder before re-use or discard. Wash thoroughly after handling.

Storage/Handling: Maintain ambient temperatures. Avoid prolonged breathing of mists. Use with adequate ventilation. Corrosive to the eyes and skin. Severe internal irritation and damage can result when ingested. Avoid contact with eyes, skin or clothing. Do not swallow. Keep container tightly closed when not in use.

Keep out of reach of children.

SECTION VI: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: - (212°F) 100°C

Vapor Pressure (mm.Hg. @ 25 °C): ND

Percent Volatiles: 85-95%

Solubility in Water: Complete

pH-Value: Neat - 13.0; 2% - 11.7

Odor Threshold: ND

Appearance, Odor & Physical State: Clear, purple liquid; lemon odor.

Specific Gravity (Water=1): 1.04

Vapor Density (Air=1): ND

Evaporation Rate(Water=1): 1

Freezing Point: -28°F (2°C)

Viscosity @ 40 °C, cSt: ND

Coefficient of Water/Oil Distribution: NA

SECTION VII: FIRE AND EXPLOSION DATA

FLAMMABILITY Yes [] No [X] Aqueous fluid

Flash Point (COC): NA

Fire Point (COC): NA

Autoignition Temperature: NA

Flammability limits in Air, % Vol.: Upper - NA Lower - NA

Extinguishing Media:

Use media appropriate for any surrounding combustible substances (Water fog, CO₂, dry chemical, foam).

Special Firefighting Procedures/Unusual and Explosion Hazards:

Cool fire exposed containers with water. Do not enter confined areas without full protective equipment, including a positive pressure NIOSH approved self-contained breathing apparatus.

EXPLOSION DATA

Sensitivity to Mechanical Impact: NA

Sensitivity to Static Discharge: NA

SECTION VIII: REACTIVITY

Stability: Stable at ambient temperatures

Hazardous Polymerization: Will not occur.

Conditions and Materials to Avoid (Incompatibilities):

Strong acids.

Strong oxidizers.

Avoid contact with glass.

Hazardous Combustion or Decomposition Products:

Smoke, fumes, oxides of carbon

SECTION IX: ENVIRONMENTAL PROTECTION

CHEMTREC EMERGENCY PHONE NUMBER: (800) 424-9300, 24 hrs. for U.S. transportation related spills, leaks, fire, exposure or accident.

CANUTEC EMERGENCY PHONE NUMBER: (613) 996-6666, 24 hrs. for Canadian transportation related spills, leaks, fire, exposure or accident.

Spill or Leak Procedures:

Use best engineering practices when attempting cleanup of a large spill.

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:

If discarded as supplied, material meets RCRA characteristic definition of corrosivity, D002. The toxicity characteristic has not been evaluated. 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 or alter waste classification.

All recovered material should be packaged, labeled, transported and disposed of or reclaimed in accordance with local, state and Federal 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:

Corrosive liquid, n.o.s., 8, UN1760, PG II, (sodium hydroxide, sodium silicate)

Follow all requirements regarding transportation of a regulated material.

CHEMICAL CONTROL REGULATIONS:

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

Canadian Workplace Hazardous Material Identification System (WHMIS) Classification:

Material is a controlled product.

 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-8 - 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 - Emergency Planning and Community Right to Know Act (SARA Title III):

Section 302/304 Extremely Hazardous Substance: NA

CERCLA Section 102(a) Hazardous Substance: Sodium hydroxide. Reportable quantity for product=25,000 pounds (11,250 kg).

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, 6.5% (wt.) max.

U.S. STATE RIGHT TO KNOW LAWS

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

California Safe Drinking Water Enforcement Act (Proposition 65):

This product contains 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 Inc. 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.

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