

CASTROL INDUSTRIAL CENTRAL INC.

MATERIAL SAFETY DATA SHEET

I PRODUCT IDENTIFICATION

Manufacturer Castrol Industrial Central Inc.; 630 W. Washington Blvd.; Chicago, Illinois 60606
Telephone (312) 454-1000

TRADE NAME Castrol Come Clean 900

II INGREDIENTS

<u>Hazardous ingredients</u>	X	CAS No.	Hazard Data
Contains no ingredients listed as carcinogens by NTP, IARC, or OSHA.			
Sodium hydroxide	1-5	1310-78-2	PEL(C),TLV(C)=2 mg/M ³
Contains no other ingredients now known to be hazardous as defined in Illinois Public Act 83.240, OSHA 29 CFR 1910.1000 (subpart z), and OSHA 29 CFR 1910.1200.			

III PHYSICAL DATA

Boiling Point: NA	Melting Point: NA
Specific Gravity (water=1): 1.15	Vapor Pressure: NA
Vapor Density (air=1): NA	Solubility in Water, % by Wt.: Complete
% Volatiles by Volume: Approximately 70 (water)	Evaporation Rate (butyl acetate=1): < 1
Appearance and Odor: Clear yellow-green liquid, mild odor	
pH: Concentrate: 13.4; 1% (v/v): 11.7	

IV FIRE AND EXPLOSION DATA

Flash Point: None	Fire Point: NA
Flammable Limits in Air, % by Volume: Lower NA Upper NA	
Extinguishing Media: Not a fire hazard.	
Special Fire Fighting Procedures: Wear self-contained breathing apparatus to fight fires in confined spaces.	
Unusual Fire and Explosion Hazard: None known.	

V HEALTH HAZARD INFORMATION

Health Hazard Data: Product is considered a hazardous material because of its alkalinity. Hazard potential is reduced at use dilutions.

Routes of Exposure and Effects of Overexposure

Inhalation: Inhalation of high concentrations of mists may produce respiratory tract irritation. Ulceration of respiratory membranes may occur from prolonged inhalation.
Skin Contact: Irritating to the skin.
Skin Absorption: Skin absorption is not expected to occur.
Eye Contact: Local eye irritation will occur. If not promptly treated, extensive eye damage could occur.
Ingestion: LD₅₀ not established; do not ingest. Irritation of the mouth and gastrointestinal tract will occur immediately.

Emergency and First Aid Procedures

Eyes: Immediately flush with water for at least 15 minutes; consult physician.
Skin: Immediately flush with water for 15 minutes; consult physician.
Inhalation: Remove to fresh air area and consult physician immediately.
Ingestion: Do not induce vomiting. Give plenty of water or other mild drinkable fluids and call a physician immediately.

Notes to Physician

None.

VI REACTIVITY DATA

Conditions Contributing to Instability: None. Stable under normal conditions.
Incompatibility: Strong oxidizing agents, strong acids, metals such as aluminum.
Hazardous Decomposition Products: Oxides of carbon are potential combustion products.
Conditions Contributing to Hazardous Polymerization: Will not polymerize.

VII SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled:

Flush spills into waste disposal system with water. Large spills should be neutralized with dilute mineral acid before flushing.

Waste disposal method:

Non-biodegradable contaminants introduced into used solutions must be removed prior to disposal. Acid-alum or alum-polymeric deemulsifiers may be used.

VIII SPECIAL PROTECTION INFORMATION

Ventilation requirements: If excessive misting occurs, provide local ventilation.

Specific Personal Protective Equipment

Respiratory: If excessive misting occurs, or if associated TLV is exceeded, provide NIOSH approved respiratory equipment with TC-21C-XXX cartridge combination.

Eyes: Face shield or goggles.

Gloves: Rubber.

Other Clothing and Equipment: Eyewash facility. Rubber apron and boots when handling concentrate.

IX SPECIAL PRECAUTIONS

Precautionary Statements

Wash contaminated clothing before reuse. Avoid contact with eyes and skin. Avoid breathing mists. Do not take internally.

Other Handling and Storage Requirements

Keep drums closed when not in use. Bring product to room temperature before use.

As required by SARA, Title III, Section 313, please note the presence of the following chemical(s) in this product: None applicable.

Labeling Requirements

Proper shipping name: Cleaning compound liquid Corrosive Material NA 1760

Hazard class(es)

- OSHA: Corrosive
- RCRA: Corrosive D002
- DOT: Corrosive

Hazard labels required: Corrosive


Prepared by: Harold Diez, Research Chemist

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