

# RELIABLE PRODUCTS

DAYS 847-228-7667

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## SECTION 1 PRODUCT IDENTIFICATION – CHALLENGER IS USDA APPROVED

Product Name: *CHALLENGER PC 737 CONCENTRATED CLEANER/DEGREASER - USDA APPROVED*

Chemical Name/Synonyms: ALKALINE DETERGENT

Chemical Family: MIXTURE

NFPA Acute Hazard Rating: Health 1 Flammability 0 Reactivity 0

## SECTION 2 CHEMICAL COMPOSITION

All CERCLA Hazardous Substances  $\geq 1\%$  and Carcinogens  $\geq 0.1\%$  are Listed. There are none unless specifically listed.

Ingredient (Chemical Name)	CAS#	%Range	PEL	LD50mg/kg	Other
POTASSIUM HYDROXIDE		0-5%	C 2 MG/M3	C 2 MG/M3	

THE CHALLENGER FORMULA IS PROPRIETARY. TREAT FOR ALKALINE DETERGENT.

Balance Non-Hazardous Ingredients

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## SECTION 3 EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: RINSE WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. IF IRRITATION PERSISTS SEEK MEDICAL ATTENTION

Skin Contact: RINSE WITH WATER, IF IRRITATION PERSISTS SEEK MEDICAL ATTENTION

Inhalation: MOVE VICTIM TO SOURCE OF FRESH AIR. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION

Ingestion: SEEK IMMEDIATE MEDICAL ATTENTION.

SPECIAL INSTRUCTIONS FOR PHYSICIAN:

## SECTION 4 PHYSIOLOGICAL EFFECTS

Primary Routes of Entry Into the Body:

Skin Absorption X Inhalation \_\_\_\_\_ Ingestion \_\_\_\_\_

Acute Effects: EYES: BLURRED VISION, REDNESS, WATERING, BURNING, BLISTERING.

SKIN: REDNESS, BURNING ON SENSITIVE SKIN AREAS.

INHALATION: IRRITATION, COUGHING

INGESTION: BURNING SENSATION, NAUSEA

CHRONIC EFFECTS: *(Including Carcinogenic Potential)* NONE ARE KNOWN

## SECTION 5 OCCUPATIONAL PROCEDURES

Ventilation: Local Exhaust \_\_\_\_\_ General Exhaust X None Required \_\_\_\_\_

*IT IS A GOOD PRACTICE WHEN USING CHEMICAL/CLEANING COMPOUNDS TO ALWAYS WORK IN A WELL VENTILATED AREA.*

Personal Protective Equipment:

Respirator Type:

Gloves: Natural Rubber X Plastic \_\_\_\_\_ Nitrile \_\_\_\_\_ Neoprene X Butyl \_\_\_\_\_ Other \_\_\_\_\_

Eye Protection: Glasses w/Side Shields   X   Full Face Shield           

Chemical Splash Goggles            Other           

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## SECTION 6 PHYSICAL DATA

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Appearance:

Physical State: Solid            Liquid       X       Gas           

Boiling Point:  212 DEGREES F  Freeze Point:  32 DEGREES F  Specific Gravity:  1.062 

pH (Full Strength):  12.5  pH (Dilution):  VARIES  Solubility in Water:  COMPLETE 

Vapor Pressure:  17.5 mm Hg.@20c  Vapor Density:  NOT ESTABLISH 

Evaporation Rate:  1  (Water=1) Percent Volatiles:  N/A 

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## SECTION 7 FIRE AND EXPLOSION HAZARD DATA

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Flash Point: Method Used: N/A

Flammable (Explosive) Limits in Air: N/A

Autoignition Temperature: N/A

Suitable Extinguishing Media:  N/A 

Hazardous Combustion Bi-products:  N/A 

Recommended Firefighting Procedures: N/A

Unusual Fire and Explosion Hazards: N/A

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## CHALLENGER

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## SECTION 8 REACTIVITY DATA

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Thermal Stability: Stable       X       Unstable           

Conditions to Avoid: EXTREME TEMPERATURES

Hazardous Decomposition Products: NONE

Hazardous Polymerization: May Occur        Will Not Occur   X  

Incompatibility: Materials to Avoid: WHITE METALS, STRONG ACIDS

Corrosive Action on Materials: SAME AS WITH ALKALI CLEANERS

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## SECTION 9 STORAGE AND HANDLING PRECAUTIONS

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Storage: STORE IN A COOL DRY PLACE

Handling: IT IS ALWAYS A GOOD IDEA TO WEAR GLOVES WHEN USING ANY CLEANING COMPOUND.

Precautionary Labeling: CORROSIVE LIQUID

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## SECTION 10 ENVIRONMENTAL INFORMATION

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Spill or Leak Procedures:

Small Spill/Leak: RINSE TO DRAIN

Large Spill/Leak: MOP UP OR ABSORB AS MUCH AS POSSIBLE THEN

RINSE TO DRAIN.

Non-RCRA Regulated Waste:   X

Procedure For Handling Empty Containers: RINSE AND RETURN TO SUPPLIER

Environmental Toxicity Data: BIODEGRADABLE

OTHER REGULATORY CONTROLS:

Is the Material Classified Under the Clean Water Act (USA) or Appropriate Water

Regulations as a:

Toxic Pollutant (Section 307)?      ☐ Yes    ☒ No

Hazardous Substance (Section 311)?      ☐ Yes    ☒ No

If YES, Reportable Quantity (RQ) \_\_\_\_\_ lbs.(kgs.)

Is the Material Classified Under the Clean Air Act (USA) or Appropriate Air Regulations

as a:

Hazardous Air Pollutant (Section 12)?      ☐ Yes    ☒ No

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HEALTH AND SAFETY

Health-1

Flammability-0

Reactivity--0

Comments: