

RELIABLE PRODUCTS

DAYS 847-228-7667

Date Revised: 1-1-06

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SECTION 1 PRODUCT IDENTIFICATION – CHALLENGER IS USDA APPROVED

Product Name *CHALLENGER 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 _____

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 X General Exhaust _____ 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 Plastic Nitrile Neoprene Butyl Other

Eye Protection: Glasses w/Side Shields Full Face Shield

Chemical Splash Goggles Other

SECTION 6 PHYSICAL DATA

Appearance:

Physical State: Solid Liquid Gas

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

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

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

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

SECTION 7 FIRE AND EXPLOSION HAZARD DATA

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

CHALLENGER

SECTION 8 REACTIVITY DATA

Thermal Stability: Stable Unstable

Conditions to Avoid: EXTREME TEMPERATURES

Hazardous Decomposition Products: NONE

Hazardous Polymerization: May Occur Will Not Occur

Incompatibility: Materials to Avoid: WHITE METALS, STRONG ACIDS

Corrosive Action on Materials: SAME AS WITH ALKALI CLEANERS

SECTION 9 STORAGE AND HANDLING PRECAUTIONS

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

SECTION 10 ENVIRONMENTAL INFORMATION

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 Polutant (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**

HEALTH AND SAFETY

Health-1

Flammability-0

Reactivity--0

Comments: