

Halo-Chrome Silver Toner with Bleach

ROCKLAND COLLOID LLC
HALO-CHROME TONER
MATERIAL SAFETY DATA SHEET
Trade Name: HALO-CHROME TONER

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General Information
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Item Name: SODIUM HYDROXIDE SOLUTION
Company's Name: ROCKLAND COLLOID LLC
Street: PO Box 3120
Company's City: Oregon City, OR
Company's State: OR
Company's Country: US
Company's Zip Code: 97045
Company's Emergency Ph #: 914-413-3000
Date MSDS Prepared: 01JAN96
Safety Data Review Date: 01/1/13
Hazard Characteristic Code: C2
Unit Of Issue: 250 CC
Type Of Container: SEAMLESS PLASTIC BOTTLE

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Ingredients/Identity Information
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Cas: 1310-73-2
RTECS #: WB4900000
Name: SODIUM HYDROXIDE
Percent by Wt: 4.
OSHA PEL: 2 MG/M3
ACGIH TLV: NOT ESTABLISHED
ACGIH STEL: C2 MG/M3
Cas: 7732-18-5
RTECS #: ZC0110000
Name: WATER
Percent by Wt: 96.

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Health Hazards Data
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Effects of Exposure: CORROSIVE EFFECTS; ACUTE: IRRITATION AND BURNS TO SKIN,EYES, LINGS, MUCOUS MEMBRANES AND GI TRACT. CHRONIC: DEMATITIS.
Signs And Symptions Of Overexposure: CORROSIVE EFFECTS; ACUTE: IRRITATION AND BURNS TO SKIN, EYES, LINGS, MUCOUS MEMBRANES AND GI TRACT. CHRONIC: DEMATITIS.
Medical Condition Aggravated By Exposure: PERSONS WITH PREEEXISTING SKIN OR EYE DISORDERS MAY BE MORE SUSECPTIBLE.
First Aid: SKIN: WASH THOROUGHLY WITH RUNNING WATER. GET MEDICAL ADVICE IF IRRITATION DEVELOPS. EYES: WASH EYES WITH PLENTO OF WATER FOR AT LEAST 15 MINUTES, LIFTING LOWER AND UPPER EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION IMMEDIATELY. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET A PHYSICIAN. INGESTION: GIVE SEVERAL GLASSES OF WATER OR MILK, IF AVAILABLE, TO DINK. VOMITING MAY OCCURS SPONTANSIOUSLY, DUT DO NOT INDUCE! NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IMMEDIATELY. GIVE CITRUS JUICES TO HELP NEUTRALIZE.

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Handling and Disposal
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Spill Release Procedures: CLEAN-UP PERSONNEL REQUIRE PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION FROM MISTS. SMALL SPILLS CAN BE DILUTED WITH LARGE QUANTITIES OF WATER AND NEUTRALIZED WITH DILUTE ACETIC ACID, CAUTION! FLOOR AND OTHER SURFACES MAY BE SLIPPERY. DO NOT FLUSH WASTE CAUSTIC DIRECTYL TOSEWER OR SURFACE WATERS. LARGE SPILL CAN BE SHOVELED UP FOR RECOVERY OR DISPOSAL.

Neutralizing Agent: NEUTRALIZED WITH DILUTE ACETIC ACID

Waste Disposal Methods: DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO FEDERAL, STATE, OR LOCAL LAWS. DISPOSE IN A RCRA-APPROVED WASTE FACILITY OR SEWER THE NEUTRALIZED SLURRY WITH EXCESS WATER IF LOCAL ORDINDANCES ALLOW.

Handling And Storage Precautions: STORE IN COOL DRY LOCATION. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

Other Precautions: KEEP OUT OF REACH OF CHILDREN.

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Fire and Explosion Hazard Information
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Extinguishing Media: USE ANY MEDIUM SUITABLE FOR EXTINGUISHING SUPPORTING FIRE. Fire Fighting Procedures: IN THE EVENT OF A FIRE, WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE. Unusual Fire/Explosion Hazard: NOT CONSIDERED TO BE A FIRE HAZARD. NOT CONSIDERED TO BE AN EXPLOSION HAZARD.

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Control Measures
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Respiratory Protection: NA.
Ventilation: NA.
Protective Gloves: VINYL OR RUBBER
Eye Protection: GOGGLES

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Fire and Explosion Hazard Data
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Flash Point: NONE
Extinguishing Media: THIS PRODUCT NON-COMBUSTIBLE
Special Fire Fighting Proc: NONE
Unusual Fire and Explosive Hazards: NONE

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Reactivity Data
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Stability Indicator: YES
Stability Condition to Avoid: NONE
Materials to Avoid: ACIDS.
Hazardous Decomposition Products: NONE KNOWN
Hazardous Polymerization Indicator: NO
Conditions to Avoid Polymerization: NONE

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Responsible Party Cage: 11273
Trans ID NO: 153626
Product ID: 38958-01G, SODIUM HYDROXIDE SOLUTION 1.00N (AQ)
MSDS Prepared Date: 05/01/1995
Review Date: 1/1/13
MFN: 1
Multiple KIT Number: 0
Review IND: Y

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Detail DOT Information
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DOT PSN Code: NGZ

DOT Proper Shipping Name: SODIUM HYDROXIDE SOLUTION
Hazard Class: 8
UN ID Num: UN1824
DOT Packaging Group: III
Label: CORROSIVE
Special Provision: N34,T7
Packaging Exception: 154

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HAZCOM Label

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Product ID: 38958-01G, SODIUM HYDROXIDE SOLUTION 1.00N (AQ)
Cage: 11273
Company Name: ROCKLAND COLLOID LLC
Street: PO Box 3120
City: Oregon City, OR
Zip: 97045
Health Emergency Phone: 1-800-222-1222
Label Required IND: Y
Date Of Label Review: 1/1/13
Status Code: A
Origination Code: F
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: WARNING
Respiratory Protection IND: YES
Health Hazard: Moderate
Contact Hazard: Moderate
Fire Hazard: None
Reactivity Hazard: None
Hazard And Precautions: CORROSIVE EFFECTS; ACUTE: IRRITATION AND BURNS TO SKIN, EYES, LINGS, MUCOUS MEMBRANES AND GI TRACT. CHRONIC: DEMATITIS.

BLEACH FOR HALO-CHROME
Trade Name: BLEACH FOR HALO-CHROME®

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: CUPRIC CHLORIDE (SARA III)
Ingredient Sequence Number: 01
Percent: 38
NIOSH (RTECS) Number: GL7000000
CAS Number: 7447-39-4
OSHA PEL: 1 MG CU/M3
ACGIH TLV: 1 MG/M3
Proprietary: NO
Ingredient: WATER
Ingredient Sequence Number: 02
Percent: 62
NIOSH (RTECS) Number: N/A
CAS Number: N/A
Unit Of Issue: 20 CC in plastic bottle

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Physical/Chemical Characteristics

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Appearance And Odor: CLEAR DARK BLUE LIQUID.
Boiling Point: 215F
Vapor Pressure (MM Hg/70 F): 20
Specific Gravity: 1.440

Solubility In Water: COMPLETE
Percent Volatiles By Volume: 62%

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Fire and Explosion Hazard Data
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Extinguishing Media: DOESN'T BURN OR SUPPORT COMBUSTION.
Special Fire Fighting Proc: CORROSIVE. PROTECTIVE APPAREL TO AVOID CONTACT.
Unusual Fire And Explosive Hazards: NONE
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Reactivity Data
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Stability: YES
Materials To Avoid: STRONG ALKALIES AND CYANIDES
Hazardous Poly Occur: NO
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Health Hazard Data
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Signs/Symptoms Of Overexposure: MAY CAUSE INJURY TO EYES, SKIN AND RESPIRATORY SYSTEM. TOXIC BY INGESTION.
Emergency/First Aid Proc: EYE CONTACT: FLUSH W/WATER FOR 15 MINUTES. CALL A PHYSICIAN. SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER. TREAT FOR BURNS. INGESTION: INDUCE VOMITING. DRINK MILK OR EGG WHITES. CALL A PHYSICIAN. INHALATION: REMOVE TO FRESH AIR. GET MED ATT.
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Precautions for Safe Handling and Use
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Steps If Material Released/Spill: ISOLATE SPILL. PICK UP ON INERT ABSORBENT, FLUSH RESIDUE TO WASH TREATMENT AREA.
Waste Disposal Method: PER STATE, LOCAL AND FEDERAL REGULATIONS.
Precautions-Handling/Storing: WARNING. CORROSIVE. MATERIAL MAY CAUSE SEVERE EYE INJURY AND SKIN BURN. AVOID CONTACT. IF SWALWED INDUCE VOMITING.
Other Precautions: STORE IN COOL DRY PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE.
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Control Measures
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Respiratory Protection: AS REQUIRED
Ventilation: LOCAL EXHAUST: ACCEPTABLE
Protective Gloves: RUBBER/NEOPRENE
Eye Protection: SAFETY GOGGLES
Other Protective Equipment: RUBBER BOOTS AND APRON.
Suppl. Safety & Health Data: MSDS DATE: 3/27/86.
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Disposal Data
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Disposal Data Review Date: 89024
Rec # For This Disp Entry: 01
Tot Disp Entries Per NSN: 001
Landfill Ban Item: YES
Disposal Supplemental Data: MSDS DATE: 3/27/86. IN CASE OF ACCIDENTAL EXPOSURE OR DISCHARGE, CONSULT HEALTH AND SAFETY FILE FOR PRECAUTIONS.
1st EPA Hazard Waste Name New: NOT REGULATED
1st EPA Hazard Waste Char New: NOT REGULATED BY RCRA
1st EPA Acute Hazard New: NO
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Label Data
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Label Required: YES
Label Status: G
Common Name: LIQUID CUPRIC CHLORIDE, #6918
Special Hazard Precautions: MAY CAUSE INJURY TO EYES, SKIN AND
RESPIRATORY SYSTEM. TOXIC BY INGESTION.
Label Name: BLEACH
Label Emergency Number: 1-800-222-1222

Trade Name: BLEACH FOR HALO-CHROME®

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General Information
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Company's Name: ROCKLAND COLLOID CORP.
Company's P. O. Box 3120
Company's City: OREGON CITY
Company's State: OR
Company's Country: US
Company's Zip Code: 97045
Company's Emergency Ph #: 914-413-3000
Date MSDS Prepared: 01JAN96
Safety Data Review Date: 01/03/13
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Ingredients/Identity Information
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Proprietary: NO
Ingredient: CUPRIC CHLORIDE (SARA III)
Ingredient Sequence Number: 01
Percent: 38
NIOSH (RTECS) Number: GL7000000
CAS Number: 7447-39-4
OSHA PEL: 1 MG CU/M3
ACGIH TLV: 1 MG/M3
Proprietary: NO
Ingredient: WATER
Ingredient Sequence Number: 02
Percent: 62
NIOSH (RTECS) Number: N/A
CAS Number: N/A
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Physical/Chemical Characteristics
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Appearance And Odor: CLEAR DARK BLUE LIQUID.
Boiling Point: 215F
Vapor Pressure (MM Hg/70 F): 20
Specific Gravity: 1.440
Solubility In Water: COMPLETE
Percent Volatiles By Volume: 62%
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Fire and Explosion Hazard Data
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Extinguishing Media: DOESN'T BURN OR SUPPORT COMBUSTION.
Special Fire Fighting Proc: CORROSIVE. PROTECTIVE APPAREL TO AVOID
CONTACT.
Unusual Fire and Explosive Hazards: NONE
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=====
Reactivity Data
=====

Stability: YES
Materials To Avoid: STRONG ALKALIES AND CYANIDES

Hazardous Poly Occur: NO

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Health Hazard Data
=====

Signs/Symptoms Of Overexposure: MAY CAUSE INJURY TO EYES, SKIN AND RESPIRATORY SYSTEM. TOXIC BY INGESTION.

Emergency/First Aid Proc: EYE CONTACT: FLUSH W/WATER FOR 15 MINUTES. CALL A PHYSICIAN. SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER. TREAT FOR BURNS. INGESTION: INDUCE VOMITING. DRINK MILK OR EGG WHITES. CALL A PHYSICIAN. INHALATION: REMOVE TO FRESH AIR. GET MED ATT.

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Steps If Material Released/Spill: ISOLATE SPILL. PICK UP ON INERT ABSORBENT, FLUSH RESIDUE TO WASH TREATMENT AREA.

Waste Disposal Method: PER STATE, LOCAL AND FEDERAL REGULATIONS.

Precautions-Handling/Storing: WARNING. CORROSIVE. MATERIAL MAY CAUSE SEVERE EYE INJURY AND SKIN BURN. AVOID CONTACT. IF SWALWED INDUCE VOMITING. Other Precautions: STORE IN COOL DRY PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE.

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Control Measures
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Respiratory Protection: AS REQUIRED

Ventilation: LOCAL EXHAUST: ACCEPTABLE

Protective Gloves: RUBBER/NEOPRENE

Eye Protection: SAFETY GOGGLES

Other Protective Equipment: RUBBER BOOTS AND APRON.

Suppl. Safety & Health Data: MSDS DATE: 3/27/86.

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Disposal Data
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Disposal Data Review Date: 89024

Rec # For This Disp Entry: 01

Tot Disp Entries Per NSN: 001

Landfill Ban Item: YES

Disposal Supplemental Data: MSDS DATE: 3/27/86. IN CASE OF ACCIDENTAL EXPOSURE OR DISCHARGE, CONSULT HEALTH AND SAFETY FILE FOR PRECAUTIONS.

1st EPA Haz Wst Name New: NOT REGULATED

1st EPA Haz Wst Char New: NOT REGULATED BY RCRA

1st EPA Acute Hazard New: NO

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Label Data
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Label Required: YES

Label Status: G

Common Name: LIQUID CUPRIC CHLORIDE, #6918

Special Hazard Precautions: MAY CAUSE INJURY TO EYES, SKIN AND RESPIRATORY SYSTEM. TOXIC BY INGESTION.

Label Name: BLEACH

Label Emergency Number: 1-800-222-1222