

HOUGHTON INTL INC -- HOUGHTO-BLACK 15 -- 6850-00-616-9019

===== Product Identification =====

Product ID:HOUGHTO-BLACK 15

MSDS Date:01/12/1990

FSC:6850

NIIN:00-616-9019

MSDS Number: BKZZW

=== Responsible Party ===

Company Name:HOUGHTON INTL INC

Address:MADISON AND VAN BUREN AVE

Box:930

City:VALLEY FORGE

State:PA

ZIP:19482-0930

Country:US

Info Phone Num:610-666-4000/4105

Emergency Phone Num:610-666

-4105/800-424-9300(CHEMTREC)

CAGE:73277

=== Contractor Identification ===

Company Name:HOUGHTON INTERNATIONAL INC

Address:MADISON AND VAN BUREN AVES

Box:930

City:VALLEY FORGE

State:PA

ZIP:19482-0930

Country:US

Phone:610-666-4105

CAGE:73277

===== Composition/Information on Ingredients =====

Ingred Name:SODIUM HYDROXIDE (SARA III)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: 30-60%

OSHA PEL:2 MG/M3

ACGIH TLV:C 2 MG/M3; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred

Name:SODIUM NITRITE (SARA III)

CAS:7632-00-0

RTECS #:RA1225000

Fraction by Wt: 10-30%

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:SODIUM (I) NITRATE (1:1) (55% DILUTION)

CAS:7631-99-4

RTECS #:WC5600000

Fraction by Wt: 10-30%

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===== Hazards Identification =====

LD50 LC50 Mixture:SEE INGREDIENTS.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHAL:MAY CAUSE

IRRITATION OF UPPER

RESPIRATORY TRACT. SKIN:IRRITANT FROM DUST AND SOLID CONTACT. CAN CAUSE ALKALINE BURNS. EYE:SEVERE IRRITATION; CAN CAUSE ALKALINE BURNS. INGEST:CORROSIVE; CAN CAUSE SEVERE BURNS OF THROAT, MOUTH AND DIGESTIVE TRACT.

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:PERSONS WITH CHRONIC RESPIRATORY DISEASE MAY SHOW INCREASED SYMPTOMS DUE TO IRRITATION.

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===== First

Aid Measures =====

First Aid:INHAL:REMOVE TO SOURCE OF FRESH AIR. FLUSH THROAT AND NASAL PASSAGES WITH WATER. SKIN:WASH WITH COPIOUS AMOUNTS OF WATER, TREAT FOR CAUSTIC BURNS. EYE:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. GET MD. INGEST:DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS OF DILUTE ACETIC ACID (1%) VINEGAR (1:4%), CITRUS JUICE; FOLLOW WITH MILK. GET MD.

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===== Fire Fighting Measures =====

Extinguishin

g Media:MEDIA SUITABLE FOR SURROUNDING FIRE . NFPA FIRE CLASS:0.

Fire Fighting Procedures:PROD CNTNS OXIDIZING MATL & MAY SUPPORT COMBUST.CAUTION! PROD IS HIGHLY CAUSTIC; IF INVOLVED W/WATER DURING FIREFIGHTING, WILL CREATE HIGHLY ALKALINE(SUPP DATA)

Unusual Fire/Explosion Hazard:AVOID CONTACT WITH ORGANIC MATERIALS. AVOID CYANIDES. CONTACT WITH ACID GENERATES HEAT AND TOXIC FUMES.

===== Accidental Release Measures =====

Spill Release Procedures:BRUSH UP WITH DRY EQUIPMENT AND PLACE IN A CLEAN CONTAINER. USE SAFETY GOGGLES AND GLOVES! USE DUST RESPIRATOR IF CLEANUP CREATES DUST.

Neutralizing Agent:SEE WASTE DISPOSAL METHOD.

===== Handling and Storage =====

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. AVOID BREATHING DUST. DO NOT ADD WATER TO PRODUCT; ADD PRODUCT TO LARGER AMOUNT OF WATER.

Other Precautions:DO NOT ADD TO HOT WATER.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA APPROVED DUST RESPIRATOR WHEN HANDLING DRY POWDER.

Ventilation:MECHANICAL IS PREFERRED.

Protective Gloves:RUBBER GLOVES.

Eye Protection:CHEMICAL WORKERS GOG AND (SUPP DATA)

Other Protective Equipment:RUBBER APRON; PROTECT SKIN. EYE BATH AND SAFETY SHOWER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIRE FIGHT PROC:MIXTURE. WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE E

QUIPMENT . EYE PROT:FULL LENGTH FACESHIELD . WASTE DISP

METH:DISCHARGE UNTREATED DILUTIONS INTO SEWERS OR STREAM S. EYE PROT: FULL LENGTH FACE SHIELD TOGOGGLES .

===== Physical/Chemical Properties =====

HCC:D4

Spec Gravity:HTW

Solubility in Water:COMPLETE

Appearance and Odor:OFF-WHITE SALT MIXTURE; NO ODOR. CAUTION! HIGHLY CAUSTIC.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

AVOID CONTA

CT WITH CYANIDES. AVOID CONTACT WITH ACIDS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NO*X

===== Disposal Considerations =====

Waste Disposal Methods:DILUTE SOLID MATL W/WATER & DISSOLVE. NEUTRALIZE TO PH 6.5 WITH DILUTE ACID. WITH TREAT W/SULFAMIC ACID TO PRODUCE NITRITE FREE EFFLUENT. DISCHARGE TREATED DILUTIONS TO WASTE TREATMENT PLANT ACCORDIN G TO FED, STATE & LOC REGS. DO NOT (SUPP DATA)

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