

THOMPSON-HAYWARD CHEMICAL COMPANY -- SODIUM CYANIDE BRIQ 200, 16-08147-02 --
6810-00-242-6336

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

Product ID:SODIUM CYANIDE BRIQ 200, 16-08147-02

MSDS Date:08/10/1988

FSC:6810

NIIN:00-242-6336

MSDS Number: BKHJM

=== Responsible Party ===

Company Name:THOMPSON-HAYWARD CHEMICAL COMPANY

Address:5200 SPEAKER RD

City:KANSAS CITY

State:KS

ZIP:66106

Info Phone Num:(913) 321

-3131

Emergency Phone Num:(913) 321-3131

Preparer's Name:GENE TURNER

CAGE:5G633

=== Contractor Identification ===

Company Name:THE AGRICULTURE AND NUTRITION CO INC.

Address:N/K (FORMERLY THOMPSON-HAYWARD CHEMICAL

City:KANSAS CITY

State:KS

ZIP:66106

Country:US

Phone:913-321-3131

CAGE:09531

Company Name:THOMPSON-HAYWARD CHEMICAL CO

Address:5200 SPEAKER RD

Box:City:KANSAS CITY

State:KS

ZIP:66106

Country:US

Phone:913-321-3131

CAGE:5G633

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

=====

Ingred Name:SODIUM CYANIDE (SARA III)

CAS:143-33-9

RTECS #:VZ7525000

Fraction by Wt: 100%

OSHA PEL:5 MG/M3 (CN)

ACGIH TLV:S; 5 MG/M3 (CN);9192

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT): 15 MG/L

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

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

Health Hazards Acute and Chronic:EYES: IRRITATION, BURNS, TEARING,
BLURRING OF VIS

ION OR PERMANENT DAMAGE. SKIN/INHALATION/INGESTION:

IRRITATION W/DISCOMFORT, RASH, PERMEATION, NAUSEA, HEADACHE,
DIZZINESS, VOMITING, UNCONSCIOUSNESS, RAPID RESPIRATION, LOWER
BLOOD PRESSURE, CONVULSIONS, FATAL.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES: IRRITATION, BURNS, TEARING, BLURRING OF
VISION OR PERMANENT DAMAGE. SKIN/INHALATION/INGESTION: IRRITATION
W/DISCOMFORT, RASH, PERMEATION, NAUSEA, HEADACHE, DIZZINESS,
VOMITING, UNCONSCIOUSNESS, RAP

ID RESPIRATION, LOWER BLOOD

PRESSURE, CONVULSIONS, FATAL.

Medical Cond Aggravated by Exposure:CENTRAL NERVOUS SYSTEM DISEASES.

===== First Aid Measures =====

First Aid:INHALATION: MOVE TO FRESH AIR. ADMINISTER AMYL NITRATE
ANTIDOTE & OXYGEN. INGESTION: GIVE PATIENT 1 PINT OF 1% SODIUM
THIOSULFATE SOLUTION OR PLAIN WATER BY MOUTH/INDUCE VOMITING. KEEP
HEAD BELOW HIPS TO PREVENT ASPIRATION. NEVER GIVE ANYTHING TO AN
UNCONSCIOUS PERSON BY

MOUTH. EYES: FLUSH W/PLENTY OF WATER. SKIN:

WASH THE CYANIDE. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Flash Point:WILL NOT BURN

Extinguishing Media:USE WATER ON FIRES NEAR SODIUM CYANIDE. DON'T USE
CO2.

Fire Fighting Procedures:CO2 REACTS W/SODIUM CYANIDE TO PRODUCE
HYDROGEN CYANIDE IF MOISTURE IS PRESENT. CONTAIN RUNOFF.

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

Spill Release Procedure

s:SWEEP UP/SHOVEL INTO A COVERED CONTAINER OR PLASTIC BAG, PENDING TRANSFER. COVER/KEEP SPILLAGE DRY. FLUSH SPILL AREA W/A DILUTE SOLUTION OF SODIUM OR CALCIUM HYPOCHLORITE. DON'T ALLOW ESCAPE INTO NATURAL WATERS BEFORE DETOXIFYING.

Neutralizing Agent:SODIUM HYPOCHLORITE OR HYDROGEN PEROXIDE.

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

Handling and Storage Precautions:STORE IN LABELED CONTAINERS IN DRY, VENTILATED, SECURED AREAS, AWAY FROM COMBUSTIBLES & FLAMMABLES.

DON'T BREATHE DUST, MIST OR HYDROCYANIC ACID GAS.

Other Precautions:AVOID CONTACT W/SKIN, EYES/CLOTHING. EMPTIED CONTAINERS MAY BE HAZARDOUS AS THEY MAY RETAIN PRODUCT RESIDUES. DON'T HANDLE OR STORE FOOD, BEVERAGES OR TOBACCO IN CYANIDE AREAS. KEEP CONTAINERS CLOSED & DRY.

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

Respiratory Protection:DISPOSABLE TOXIC DUST OR MIST RESPIRATORS OR SELF-CONTAINED BREATHING APPARATUS.

Ventilation:PROVIDE

MECHANICAL VENTILATION TO KEEP DUST, MIST & HYDROCYANIC ACIDS GAS