

ADM CORN SWEETENERS -- CARBON DIOXIDE -- 4210-00-202-7858

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

Product ID:CARBON DIOXIDE

MSDS Date:02/02/1991

FSC:4210

NIIN:00-202-7858

MSDS Number: BRRJM

=== Responsible Party ===

Company Name:ADM CORN SWEETENERS

Address:4666 FARIES PARKWAY

City:DECATUR

State:IL

ZIP:62525

Country:US

Info Phone Num:217-424-5608

Emergency Phone Num:217-424-5608

CAGE:84168

=== Contract

or Identification ===

Company Name:ARCHER DANIELS MIDLAND CO

Address:4666 E FARIES PKWY

Box:1470

City:DECATUR

State:IL

ZIP:62526-5666

Country:US

Phone:217-424-5200/7418

CAGE:84168

Company Name:GENERAL FIRE EXTINGUISHER CORP

Address:1685 SHERMER RD

Box:City:NORTHBROOK

State:IL

ZIP:60062-5315

Country:US

Phone:(708) 847-272-7500; 847-272-7500

CAGE:99539

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

Ingred Name:CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000

Fraction by Wt: 9

9.9%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/30000STEL;93

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

LD50 LC50 Mixture:PEL(TWA)=5000PPM
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SKIN:CONTACT WITH THE LIQUID CAN CAUSE
FROSTBITE AND BURNS.INHAL:3-5%-INCREASED RESPIRATION AND
HEADACHE.8-15%-HEADACHE,NAUSEA,VOMITING
...UNCONSCIOUSNE
SS,COMA,DEATH.
Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.
Effects of Overexposure:INHAL:HEADACHE,NAUSEA,VOMITING.SKIN:BURNS.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING
RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHAL:QUICKLY MOVE TO AN UNCONTAMINATED AREA AND INHALE FRESH
AIR.GIVE OXYGEN
OR ARTIFICIAL RESPIRATION IF NEEDED.FURTHER
TREATMENT SHOULD BE SYMPTOMATIC AND SUPPORTIVE.EYES:FLUSH WITH
TEMPID WATER OR NORMAL SALINE.GET MEDICAL ATTENTION.SKIN:FLUSH
WITH LUKEWARM WATER;NOT HOT WATER.GET MEDICAL ATTENTION.INGEST:NOT
EXPECT;GAS AT ROOM TEMPERATURE.

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

Flash Point:NONE
Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARA
TUS AND
FULL PROTECTIVE EQUIPMENT.
Unusual Fire/Explosion Hazard:PRESSURIZED CONTAINERS MAY BURST FROM
HEAT OF FIRE.

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

Spill Release Procedures:EVACUATE PERSONNEL.USE APPROPRIATE PROTECTIVE
EQUIPMENT.VENTILATE AREA.AVOID CONTACT WITH LIQUID,SOLID OR
VAPOR.SHUT OFF SUPPLY VALVE.DO NOT REENTER UNTIL TLV IS BELOW
5000PPM.
Neutralizing Agent:NONE

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

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Handling and Storage Precautions:DO NOT STORE NEAR HEAT OR FLAME.USE PROPER VENTILATION.USE A SELF-CONTAINED BREATHING APPARATUS WHERE TLV IS EXCEEDED.

Other Precautions:NONE

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

Respiratory Protection:POSITIVE PRESSURE AIR LINE WITH FULL FACEPIECE.ESCAPE SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE.

Ventilation:SUFFICIENT TO PREVENT ACCUMULATION ABOVE THE TLV.

Protective Gloves:INSULATED,COLD-RESISTANT

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Eye Protection:SAFETY GLASSES;GOGGLES.

Other Protective Equipment:NONE

Work Hygienic Practices:USE PRUDENT SANITARY AND HYGENIC PRACTICES.

Supplemental Safety and Health

NONE

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

HCC:G3

Boiling Pt:B.P. Text:-109F,-79C

Melt/Freeze Pt:M.P/F.P Text:-109F,-79C

Vapor Pres:291PSIG@0F

Spec Gravity:1.65

Solubility in Water:SOLUBLE

Appearance and Odor:GAS;COLORLESS;ODORLESS

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

MANUFACTURER STATES NONE.

Stability Condition to Avoid:MANUFACTURER STATES NONE.

Hazardous Decomposition Products:MANUFACTURER STATES NONE.

Conditions to Avoid Polymerization:FORMS WEAK CARBONIC ACID WITH WATER.

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

Waste Disposal Methods:VENTILATE CONTAMINATED AREAS.SOLID CARBON DIOXIDE SHOULD BE PLACED OUTSIDE TO SUBLIMATE.

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ed with this information by the compiling agencies):

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