

ADM CORN SWEETENERS -- CARBON DIOXIDE, REFRIGERATED LIQUID, 35645 -- 4210-00-202-7858

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Product Identification
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Product ID:CARBON DIOXIDE, REFRIGERATED LIQUID, 35645

MSDS Date:01/01/1988

FSC:4210

NIIN:00-202-7858

MSDS Number: BJS DR

=== Responsible Party ===

Company Name:ADM CORN SWEETENERS

Address:7627 W LAKE ST

City:RIVER FOREST

State:IL

ZIP:60305

Country:US

Info Phone Num:312-771-2990

Emergency Phone Num:312-771-2990

CAGE:ADMCO

=== Contractor Identification ===

Company Name:ADM CORN SWEETENERS

Address:7627 W LAKE ST

Box:City:RIVER FOREST

State:IL

ZIP:60305

Country:US

Phone:312-771-2990

CAGE:ADMCO

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Composition/Information on Ingredients
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Ingred Name:CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000

Fraction by Wt: 99.9%

Other REC Limits:TRANS PEL:5000 PPM

OSHA PEL:5000 PPM

ACGIH TLV:5000PPM/30000STEL;93

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Hazards Identification
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:INHAL:VAP IN CONCS OF 3-5% BY VOLUME IN AIR CAUSES INCR RESPIRATION/HDCH; 8-15% CONCS CAUSE HDCH, NAUSEA, VOMIT, MAY LEAD TO UNCON IF NOT MOVED TO OPEN AIR OR GIVEN O*2; HIGHER CONCS CAUSE RAPID CIRCU LATORY INSUFFICIENCY LEADING TO COMA & DEATH. PHYSICAL CNTCT W/LIQUIF

IED/SOLID CO*2 CAN CAUSE FROSTBITE OR FREEZE BURNS.

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHAL:REMOVE TO FRESH AIR. SUPPORT BRTHG (GIVE O*2/ARTF RESP) CALL MD. EYE:IMMED FLUSH W/TEPID WATER IN LARGE QUANTITIES OR W/STERILE SALINE SOLUTION AT LEAST 15 MIN. GET MD. SKIN:FLUSH AFFECTED

AREA W/LUKEWARM WATER. DO NOT USE HOT WATER.SEE MD PROMPTLY IF CNTCT RESULTED IN BLISTERING OF DERMAL SURFACE OR DEEP TISSUE FREEZING. PROMPT MED ATTN MANDATORY. RESCUE PERSONNEL SHOULD HAVE SCBA.

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

Flash Point:NONE

Unusual Fire/Explosion Hazard:NONE. CO*2 IS NON-FLAMM INERT GAS. EXPOS TO FIRE/SEVERE OVERHEATING CAN CAUSE CO*2 CYL TO BURST. BULK LIQ STOR CNTNRS PRESSURIZED. CONSULT MFR/ (SEE SUPP DATA)

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

Spill Release Procedures:EVACUATE ALL PERSONNEL. USING APPROP PROT EQUIP, PROVIDE VENT TO AREA/AVOID CNTCT W/SOLID,LIQ & EXCESSIVE INHAL OF VAP. VALVE OFF CO*2 SUPPLY FROM LEAKING/BROKEN COMPONENTS. DO NOT RE-ENTER AREA UNTIL TLV REQUIREMENTS ARE MET.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:PROVIDE GEN/LOCA

L EXHAUST VENT TO MEET

TLV REQUIREMENTS. PROVIDE NIOSH/MSHA APPRVD SUPPLIED AIR/SCBA FOR USE ABOVE TLV EXPOSURE.

Other Precautions:DO NOT INSTALL STORAGE VESSELS IN SUB SURFACE OR CLOSED AREAS, OR NEAR EXCESSIVE HEAT OR FLAME.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED POSITIVE PRESSURE AIR LINE W/FULL FACEPIECE & ESCAPE AIR SUPPLY OR NIOSH/MSHA APPROVED SCBA SHOULD BE AVAILABLE FOR EMERGENCY USE.

Venti

lation:SUFFICIENT TO PREVENT ACCUMULATION ABOVE TLV. LOCAL EXHAUST SHOULD BE LOCATED NEAR THE FLOOR.

Protective Gloves:INSULATED & COLD RESISTANT GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

VAPOR PRESS:291.1 PSIG @0F. EXPLO HAZ:SUPPLIER BEFORE ALTERATION.

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

Boiling Pt:B.P. T

ext:-109F,-79C

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

Vapor Pres:SUPP DATA

Spec Gravity:1.65

Solubility in Water:1 TO 1 @60F

Appearance and Odor:COLORLESS, ODORLESS GAS; MILKY WHITE SOLID; WATER WHITE LIQUID.

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

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:CONT

AMINATED AREA SHOULD BE VENTILATED

THOROUGHLY. SOLID CARBON DIOXIDE SHOULD BE REMOVED OUT OF DOORS AND ALLOWED TO SUBLIMATE. DISPOSE I/A/W FEDERAL, STATE AND LOCAL REGULATIONS .

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