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## ADM CORN PROCESSING -- CARBON DIOXIDE, REFRIGERATED LIQUID -- 4210-00-288-7219

Product ID:CARBON DIOXIDE, REFRIGERATED LIQUID

MSDS Date:01/01/1991

FSC:4210

NIIN:00-288-7219

MSDS Number: BMDQL === Responsible Party ===

Company Name: ADM CORN PROCESSING

Address: 4666 FARIES PARKWAY

Box:1470

City:DECATUR

State:IL ZIP:62525 Country:US

Info Phone Num:217-424-5600

**Emerg** 

ency Phone Num:217-424-5608

CAGE:KO593

=== Contractor Identification ===

Company Name: ADM CORN PROCESSING

Address: 4666 FARIES PARKWAY

City:DECATUR

State:IL ZIP:62526 Country:US

Phone:312-771-2990

CAGE:KO593

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: 100%

Other REC Limits: NONE SPECIFIED

OSHA PEL:5000 PPM

ACGIH TLV:5000PPM/30000STEL;93

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:CARBON DIOXIDE IS

AN ASPHIXIANT. AS A

LIQUID OR SOLID, ITS HIGH RATE OF EVAPORATION CREATES AN INTENSE COOLING OF THE BODY TISSUE CONTACTED WHICH RESULTS IN FROSTBITE.

Explanation of Carcinogenicity:PRODUCT IS NOT LISTED AS A CARCINOGEN BY IARC, NTP, OR OSHA.

Effects of Overexposure: CONTACT: FROSTBITE AND FREEZE BURNS.

INHALED:HEADACHE, DIZZINESS SHORTNESS OF BREATH AND OTHER SYMPTOMS OF OXYGEN STARVATION. HIGH CONCENTRATIONS PRODUCE A SLIGHT ACID TASTE AND MAY PARALYSE THE BREA THING C

ONTROL CENTER.

Medical Cond Aggravated by Exposure:OVEREXPOSURE MAY AGGRAVATE SOME PULMONARY CONDITIONS.

First Aid:CONTACT: RINSE WITH WARM WATER 15 MINUTES. GET MEDICAL ASSISTANCE IF ANY SYMPTOMS OF FROSTBITE OR FREEZING APPEAR. INHALED:REMOVE FROM EXPOSURE. RESTORE BREATHING. BE CAUTIOUS ENTERING CLOSED AREA S IN A RESCUE EFFORT IF WITHOUT A SUPPLIED AIR BREATHING APPARATUS. USE THE BUDDY SYSTEM FOR RESCUE ATTEMPTS.

Flash Point: NON-FLAMMABLE

Extinguishing Media:PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:PRODUCT IS AN ASPHIXIANT. FIRE MAY CAUSE CYLINDERS TO EXPLODE.

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======== Accidental Release Measures =============
Spill Release Procedures:PLACE LEAKING CYLINDERS OUTSIDE OR WHERE LEAK IS EXHAUSTED BY LOCAL EXHAUST. Neutralizing Agent:NONE
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Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.  Other Precautions:USE A SAFETY LINE, A STAND-BY WORKER AND A SUPPLIED  AIR RESPIRATOR WHEN ENTERING AREAS OF SUSPECTED OR KNOWN HIGH CONCENTRATION.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.
Ventilation:GENERAL ROOM VENTILATION IS NORMALLY ADEQUATE. USE LOCAL EXHAUST IF NECESSARY TO CONTROL EXPO SURE BELOW PEL/TLV.
Protective Gloves:THERMAL PROTECTION IF CONTACT POSSIBLE Eye Protection:SAFETY GLASSES OR GOGGLES (NO CONTACTS!) Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED. Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID CONTACT WHENEVER POSSIBLE. Supplemental Safety and Health NONE
========= Physical/Chemical Properties ===========
HCC:G3 Boiling Pt:B.P. Text:-109F,-78C Melt /Freeze Pt:M.P/F.P Text:109F,SUBLIM Vapor Pres:291 PSIG Spec Gravity:GAS Solubility in Water:1 TO 1 @ 60F & 1 ATM Appearance and Odor:COLORLESS ODORLESS GAS AT RM TEMP, MILKY WHITE
SOLID, OR CLEAR COLORLESS LIQUID Percent Volatiles by Volume:100
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Stability Indicator/Materials to Avoid:YES NONE GIVEN BY MANUFACTURER (SUPPLIER). Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES

Hazardous Decomposition Products:CARBON DIOXID

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

Waste Disposal Methods:ALLOW TO DISSIPATE IN A MANNER THAT THE CARBON DIOXIDE WILL NOT BE SUFFICIENTLY CONCENTRATED TO ENDANGER PERSONNEL OR LIVESTOCK.

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