


SDS

SECTION 1: IDENTIFICATION	
PRODUCT NAME:	PC-45
CAS NUMBER:	8052-35-5
SYNONYMS/OTHER MEANS OF IDENTIFICATION:	FERTILIZER
INTENDED USE:	AGRICULTURAL CROP PRODUCTIONS
MANUFACTURER:	PENNY NEWMAN GRAIN, 2691 S. CEDAR AVE, FRESNO, CA 93725
EMERGENCY HEALTH AND SAFETY NUMBER:	(800) 222-1222
SDS INFORMATION:	PHONE: 559-448-8800 E-MAIL: SAFETY@PENNY-NEWMAN.COM URL: WWW.PENNY-NEWMAN.COM

SECTION 2: HAZARD(S) IDENTIFICATION
CLASSIFICATION: NOT CLASSIFIED FOR PHYSICAL OR HEALTH HAZARD ACCORDING TO GHS.
LABEL ELEMENTS:

SIGNAL WORD: WARNING
HAZARD STATEMENT(S): MAY CAUSE BREATHING DIFFICULTIES IF INHALED.
PRECAUTIONARY STATEMENT(S): PRODUCT CONSUMES OXYGEN, VERIFY SUFFICIENT OXYGEN PRIOR TO ENTERING A TANK OR VESSEL THAT HAS HELD PRODUCT.
EXPLOSION HAZARD: PRODUCT IS STABLE IF STORED CORRECTLEY, IF DILUTED WITH WATER AND LEFT FOR 6-12 MONTHS FERMENTATION CAN OCCUR AND GENERATE AN EXPLOSIVE GAS IN TANK HEAD.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
COMPONENT	CAS	CONCENTRATION
CMS	8052-35-5	% PROPRIETARY
OTHER INGREDIENTS	N/A	% PROPRIETARY

SECTION 4: FIRST AID MEASURES	
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INHALATION:

DO NOT ENTER A STORAGE TANK WITHOUT VERIFYING SUFFICIENT OXYGEN. PROPER VENTILATION IS NECESSARY FOR ENTRY. REMOVE PERSON FROM EXPOSURE. SEEK MEDICAL ATTENTION FOR ANY BREATHING DIFFICULTY.

INGESTION:

IF SWALLOWED, GIVE SEVERAL GLASSES OF WATER TO DILUTE. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SKIN CONTACT:

WASH AFFECTED SKIN WITH SOAP AND WATER. IF SYMPTOMS DEVELOP SEEK MEDICAL ATTENTION.

EYE CONTACT:

FLUSH EYES WITH WATER. SEEK MEDICAL ATTENTION AS NEEDED.

SECTION 5: FIREFIGHTING MEASURES

FLASH POINT (METHOD): N/A

FLAMMABLE LIMITS: LEL: UNKNOWN UEL: UNKNOWN

AUTOIGNITION TEMPERATURE: UNKNOWN

HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON

SPECIAL FIREFIGHTING PROCEDURES: EXTINGUISH WITH WATER FOG, DRY CHEMICAL POWDERS OR FOAM.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

UNDER FIRE CONDITIONS THIS PRODUCT MAY EMIT TOXIC AND OR IRRITATING FUMES, SMOKE AND GASES INCLUDING CARBON MONOXIDE, CARBON DIOXIDE AND OXIDES OF NITROGEN.

THIS PRODUCT WILL BURN IF EXPOSED TO FIRE. HEATING CAN CAUSE EXPANSION OR DECOMPOSITION LEADING TO VIOLENT RUPTURE OF CONTAINERS.

PRECAUTIONS IN CONNECTION WITH FIRE:

FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS (SCBA) OPERATED IN POSITIVE PRESSURE MODE AND FULL PROTECTIVE CLOTHING TO PREVENT EXPOSURE TO VAPOURS OR FUMES.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SWEEP OR SCOOP UP SPILL FOR RECOVERY OR DISPOSAL AND PLACE INTO A CLOSED CONTAINER. NON-TOXIC AND BIODEGRADABLE. WHATEVER CANNOT BE SAVED FOR RECOVERY MAY BE DISCARDED AS PERMITTED BY APPLICABLE REGULATIONS. INCREASE VENTILATION AND WEAR APPROPRIATE PPE.

SECTION 7: HANDLING AND STORAGE

MATERIAL CAN FERMENT IF EXCESSIVE MOISTURE CONTAMINATION IS ALLOWED. FERMENTATION CAN YIELD CARBONDIOXIDE WITH POSSIBLE TRACES OF ETHANOL OR VOLATILE FATTY ACIDS (E.G. ACETIC, PROPIONIC, LACTIC, OR BUTYRIC) AND IF EXPOSED TO SPARK OR FLAME MAY RESULT IN AN EXPLOSION. FERMENTATION MAY ALSO OCCUR IN DILUTED SURFACE LAYERS FORMED BY CONDENSATION FROM THE TANK HEADSPACE ABOVE THE LIQUID. THESE CONDITIONS SHOULD ALSO BE AVOIDED. IF MAINTENANCE OF A STORAGE TANK REQUIRES ENTRY BY PERSONNEL, CONFINED SPACE PRECAUTIONS SHOULD BE COMPLIED WITH. INSUFFICIENT OXYGEN MAY BE PRESENT IN VESSELS CONTAINING THE PRODUCT DUE TO THE GENERATION OF GASES DURING FERMENTATION.

AVOID EXPOSURE. USE ONLY IN A WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED. PREVENT THE BUILD UP OF MIST OR VAPOURS IN THE WORK ATMOSPHERE. MAINTAIN HIGH STANDARDS OF PERSONAL HYGIENE I.E. WASHING HANDS, PRIOR TO EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

STORE IN A COOL, DRY, WELL-VENTILATED AREA, OUT OF DIRECT SUNLIGHT. STORAGE TEMPERATURES SHOULD NOT EXCEED 105°

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION EQUIPMENT/PPE:

RESPIRATORY PROTECTION:

GENERALLY, NOT REQUIRED. IF ENGINEERING CONTROLS ARE NOT EFFECTIVE IN CONTROLLING AIRBORNE EXPOSURE THEN AN APPROVED RESPIRATOR WITH A REPLACEABLE VAPOR/MIST FILTER SHOULD BE USED. REFER TO RELEVANT REGULATIONS FOR FURTHER INFORMATION CONCERNING RESPIRATORY PROTECTIVE REQUIREMENTS.

VENTILATION: LOCAL EXHAUST: IF NEEDED

MECHANICAL (GENERAL): IF NEEDED

ENSURE THAT VENTILATION SYSTEMS (SUCH AS EXHAUST DUCTS, VESSELS, AND PROCESSING EQUIPMENT) ARE DESIGNED IN A MANNER TO SUPPLY ADEQUATE AIR INTO THE WORK AREAS. USE ONLY APPROPRIATELY CLASSIFIED ELECTRICAL EQUIPMENT AND POWERED INDUSTRIAL TRUCKS.

PROTECTIVE GLOVES, EYE PROTECTION, BODY PROTECTION:

RUBBER, SAFETY GLASSES / CHEMICAL GOGGLES / FACE SHIELD, COTTON TYPE COVERALLS WITH A CHEMICAL RESISTANT APRON.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

FLASH POINT (METHOD): N/A

FLAMMABLE LIMITS: UNKNOWN

AUTOIGNITION TEMPERATURE: UNKNOWN

APPEARANCE: VISCOUS BROWN LIQUID

ODOR: STRONG CARAMEL ODOR

VAPOR PRESSURE: N/A **ODOR THRESHOLD:** N/A **VAPOR DENSITY:** N/A

PH: 3.0-5.0 **MELTING POINT/FREEZING POINT:** N/A

SOLUBILITY(IES): WATER SOLUBLE

INITIAL BOILING POINT AND BOILING RANGE: 221°

SECTION 10: STABILITY AND REACTIVITY

STABILITY: **CONDITION TO AVOID:** EXPOSURE TO POTENTIAL IGNITION SOURCES

STABLE: X

INCOMPATIBILITY (MATERIALS TO AVOID): INCOMPATIBLE WITH OXIDING AGENTS (EG. HYPOCHLORITES, PEROXIDES).

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CO₂ AND OXYGEN DEFICIENT ATMOSPHERE UNDER IMPROPER STORAGE CONDITIONS. IN FIRE CONDITIONS THIS PRODUCT CAN EMIT TOXIC AND/OR IRRITATING FUMES, SMOKE AND GASES.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR: X

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SECTION 11: TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: INHALATION: X SKIN: X EYES: X INGESTION: NO HEALTH AFFECTS WHEN USED IN TRACE AMOUNTS AS A ANIMAL FEED ADDITIVE. DO NOT CONSUME UNDILUTED. INGESTION MAY IRRITATE THE GASTRIC TRACT CAUSING NAUSEA AND VOMITING IN HUMANS.

CARCINOGENICITY:NO NTP: NO ARC MONOGRAPHS: NO OSHA REGULATED: NO

SECTION 12: ECOLOGICAL INFORMATION: (NON-MANDATORY)



PREVENT THIS MATERIAL FROM ENTERING WATERWAYS, DRAINS AND SEWERS.

SECTION 13: DISPOSAL CONSIDERATIONS: (NON-MANDATORY)

PRODUCT MAY BE COMPOSTED OR USED AS A DUST SUPPRESSENT, CHECK WITH LOCAL REGULATORY AGENCY FOR APPROVAL.

SECTION 14: TRANSPORT INFORMATION: (NON-MANDATORY)

AVOID ENTRY OF NON VENTILATED CARGO HOLDS.

SECTION 15: REGULATORY INFORMATION: (NON-MANDATORY)

NOT CLASSIFIED AS HAZARDOUS. CA DPR CHEM CODE 744

SECTION 16: OTHER INFORMATION

THIS SAFETY DATA SHEET COVERS MOLASSES IN ITS NATURAL STATE AND DOES NOT INCLUDE CHEMICALS THAT MAY BE APPLIED BY SUBSEQUENT HANDLERS AND/OR DISTRIBUTORS OF THIS PRODUCT. THE INFORMATION IN THIS SDS WAS OBTAINED FROM SOURCES THAT WE BELIEVE ARE RELIABLE; HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OR CORRECTNESS. THE CONDITIONS OR METHODS OF HANDLING, STORAGE, USE AND DISPOSAL OF THE PRODUCT ARE BEYOND OUR CONTROL AND MAY BE BEYOND OUR KNOWLEDGE. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE, OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE, OR DISPOSAL OF THIS PRODUCT.