THE ANDERSONS
SAFETY DATA SHEET

DATE PREPARED: 01/27/20 CURRENT AS OF: 4/9/21

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT NAME: GEP 70

PRODUCT USE: Fertilizer

MFR INFO: The Andersons
9841 County Highway 49
Upper Sandusky, OH 4335

FOR EMERGENCY: (800) 757-8951
FOR INFORMATION: (419) 893-5050

SECTION 2: HAZARDS IDENTIFICATION

HAZARD SYMBOLS / STATEMENTS:

DANGER **CAUSES SERIOUS EYE DAMAGE. HARMFUL IF SWALLOWED. MAY INTENSIFY FIRE; OXIDIZER.**

HAZARD CLASSIFICATIONS:	**CATEGORY**	**INTERPRETATION**
EYE CORROSION	1	Causes serious eye damage
ACUTE TOXICITY, ORAL	4	Harmful if swallowed
OXIDIZING LIQUID	3	May intensify fire; oxidizer

PRECAUTIONARY STATEMENTS:

- *STORE LOCKED UP*
- *KEEP AWAY FROM HEAT*
- *TAKE ANY PRECAUTIONS TO AVOID MIXING WITH COMBUSTIBLES*
- *WEAR PROTECTIVE GLOVES AND CLOTHING*
- *REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE*
- *DO NOT BREATHE VAPORS/MISTS*
- *IF INHALED: MOVE TO FRESH AIR AND KEEP COMFORTABLE. SEEK MEDICAL ATTENTION IF UNWELL*
- *USE ONLY OUTDOORS OR IN WELL-VENTILATED AREA*
- *CALL POISON CONTROL OR SEEK MEDICAL ATTENTION IF YOU FEEL UNWELL*
- *WASH THOROUGHLY AFTER HANDLING*
- *DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT*
- *IF SWALLOWED: RINSE MOUTH AND SEEK MEDICAL ATTENTION*
- *IF IN EYES OR ON SKIN: RINSE AREA WITH PLENTY OF WATER, REMOVE CONTACT LENSES*
- *IF EYE OR SKIN IRRITATION CONTINUES: SEEK MEDICAL ATTENTION*

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY	SYNONYM	CAS NUMBER	CONCENTRATION (%)
Calcium Nitrate Tetrahydrate Solution		13477-34-4	100

The specific chemical identity and exact percentage of composition has been withheld as a trade secret and complies with requirements set forth in 29CFR 1910.1200(i) Trade Secrets.

SECTION 4: FIRST AID MEASURES

IF INHALED:	Move to fresh air and keep comfortable, seek medical attention if unwell.
IF ON SKIN:	Wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.
IF IN THE EYES:	Immediately flush with water for 15-20 minutes, remove contact lenses if present and easy to do – continue rinsing. Seek medical attention if irritation persists
IF SWALLOWED:	Rinse mouth. DO NOT INDUCE VOMITING unless directed by a medical professional. Call POISON CONTROL and seek medical attention.
SPECIAL TREATMENT:	None known
HEALTH HAZARDS:	See Section 11

SECTION 5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:	Use media suitable for surrounding fire. No special media required.
SPECIFIC FIRE HAZARDS:	When heated to decomposition, this product will emit toxic oxides of nitrogen and calcium.
SPECIAL FIREFIGHTING PROCEDURES:	Wear full protective clothing and positive-pressure self-contained breathing apparatus (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL / RELEASE PROCEDURES:	Remove ignition and heat sources. Contain material and place in containers for use as intended, or discard according to Federal, State and Local regulations.
ENVIRONMENTAL PRECAUTIONS:	Prevent spilled material from entering storm drains or water bodies. If material enters a waterway, notify the appropriate authorities.
PROTECTIVE EQUIPMENT:	Wear PPE according to Section 8

SECTION 7: HANDLING AND STORAGE

Wash hands after handling material. Do not eat, drink or smoke while handling the material. Do not get in eyes or on skin. Do not breathe vapors/mists. Not intended for human consumption. Store in a cool, dry, well ventilated area away from incompatible materials, heat and sources of ignition.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

HAZARDOUS COMPONENT	OSHA PEL	ACGIH TLV
Liquid fertilizer blend	Not available	Not available

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION:	NIOSH approved respirator, if required
EYE PROTECTION:	Safety glasses with sideshields, goggles, or faceshield
SKIN PROTECTION:	Appropriate for the task. Impervious and compatible with material
VENTILATION:	Use with adequate ventilation

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Clear liquid with no appreciable odor
pH:	~6.00
MELTING POINT:	Not applicable
BOILING POINT:	Not available
FLASH POINT:	Not flammable
EVAPORATION RATE:	Not available
FLAMMABLE LIMITS:	Not applicable
VAPOR PRESSURE:	Not available
VAPOR DENSITY:	Not available
SPECIFIC GRAVITY:	~1.470
SOLUBILITY (IN WATER):	Soluble
PARTITION COEFFICIENT:	Not available
AUTOIGNITION TEMP:	Not available
DECOMPOSITION TEMP:	Not available
ODOR THRESHOLD:	Not available
VISCOSITY:	Not available

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions of use and storage.
CONDITIONS TO AVOID:	Heat
INCOMPATIBILITY:	Water reactive materials

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic oxides of nitrogen and calcium.

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: Causes serious eye damage. Harmful if swallowed.

CARCINOGENICITY: None of the ingredients are known / listed carcinogens.

INGREDIENT TOXICITY RANGES:

ORAL: > 300 mg/kg (calcium nitrate tetrahydrate)

SECTION 12: ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects. Long term degradation products may arise. Products of degradation are not expected to be hazardous.

Toxicity to Fish: > 98.9 mg/l (LC50, 96hr) Oncorhynchus mykiss (rainbow trout)

SECTION 13: DISPOSAL CONSIDERATIONS

Use product for intended purpose where possible. Dispose of in accordance with all national, regional / state, and local regulations.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a transportation hazard.

SECTION 15: REGULATORY INFORMATION

SARA 311/312	ACUTE, REACTIVE
SARA 313	Nitrate Compounds (water dissociable)
RIGHT-TO-KNOW:	Calcium Nitrate Tetrahydrate (NJ, PA)
DSL/NDSL:	CAS 13477-34-4 is not listed on the DSL inventory
CA DISCLOSURE:	CAS 13477-34-4 is not listed on the Canadian Ingredient Disclosure List

SECTION 16: OTHER INFORMATION

NFPA RATINGS:	HEALTH	2
	FLAMMABILITY	0
	INSTABILITY	1
HMIS RATINGS:	HEALTH	2
	FLAMMABILITY	0
	INSTABILITY	1

PREPARED BY: DBA EHS Consulting

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