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I. PRODUCT IDENTIFICATION

PRODUCT NAME: LESCO Prosecutor
Chemical Family: Herbicide
Chemical Name/Synonyms: Glyphosate

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%(by/wt.)	CAS #	PEL/TLV
Glyphosate, N-(phosphonomethyl) glycine, in the form of its isopropylamine	41	38641-94-0 (as the salt)	NE
Other Ingredients including: Ethoxylated Tallowamines	59	61791-26-2	NE

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Primary Route(s) of Entry: Eyes, Skin, Inhalation, Ingestion
POTENTIAL HEALTH EFFECTS: Causes moderate eye irritation. Harmful if swallowed or inhaled.
EYE: May cause pain, redness and tearing based on toxicity studies.
SKIN: No more than slightly toxic and no more than slightly irritating based on toxicity studies.
INHALATION: No more than slightly toxic if inhaled based on toxicity studies.
INGESTION: No more than slightly toxic based on toxicity studies. No significant adverse health effects are expected to develop if only small amounts (less than a mouthful) are swallowed. Ingestion of similar formulations has been reported to produce gastrointestinal discomfort with irritation of the mouth, nausea, vomiting and diarrhea. Oral ingestion of large quantities of one similar product has been reported to result in hypotension and lung edema.
MEDICAL CONDITIONS AGGRAVATED: None known.
POTENTIAL ENVIRONMENTAL HAZARDS: Available data on similar formulations suggest that this product would be slightly to moderately toxic to aquatic organisms and practically non-toxic to avian species, honeybees and earthworms.

IV. FIRST AID MEASURES

EYES: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice..
SKIN: Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
INGESTION: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
NOTES TO MEDICAL DOCTOR:

V. FIRE FIGHTING MEASURES

Flash Point (Method Used): NA	Auto Ignition Temperature: ND
Lower Explosion Limits: ND	Upper Explosion Limits: ND
NFPA/HMIS Rating: Health: 1	Fire: 1 Reactivity: 0
EXTINGUISHING MEDIA: <input type="checkbox"/> Foam	<input checked="" type="checkbox"/> Alcohol Foam <input checked="" type="checkbox"/> Dry Chemical
<input checked="" type="checkbox"/> Water	<input type="checkbox"/> Other <input checked="" type="checkbox"/> CO ₂

UNUSUAL FIRE AND EXPLOSION HAZARDS: Containers will burst from internal pressure under extreme fire conditions. If water is used to fight fire or cool containers, dike to prevent runoff contamination of municipal sewers and waterways.

FIRE FIGHTING PROCEDURES: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination from water sources. Dispose of fire control water later.

HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions, may produce gases such as nitrogen oxides, carbon oxides and phosphorous oxides.

VI. ACCIDENTAL RELEASE MEASURES

RELEASE NOTES: Wear appropriate protective gear for the situation. Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal. Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal. Thoroughly scrub floor or other impervious surface with a strong industrial detergent and rinse with water. Large spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

VII. HANDLING AND STORAGE

GENERAL PROCEDURES: Do not contaminate water, foodstuffs, feed or seed by storage or disposal. STORE ABOVE 10F TO KEEP RODUCT FROM CRYSTALLIZING. Crystals will settle to the bottom. If allowed to crystallize, place in a warm room 68F for several days to redissolve and shake, roll or agitate to mix well before using. Do not get in eyes or on clothing. Avoid breathing vapor or spray mist. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Spray solutions of this product should be mixed, stored and applied using only stainless steel, aluminum, fiberglass, plastic or plastic-lined containers. DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

OTHER PRECAUTIONS: Keep out of reach of children. Avoid contact with eyes, skin or clothing.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust ventilation

PERSONAL PROTECTION EQUIPMENT:

EYES AND FACE: To avoid contact with eyes, wear chemical goggles or shielded safety glasses. An emergency eyewash station should be readily accessible to the work area.

RESPIRATORY: Not normally required. If vapors or mists exceed acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approve for use against pesticides.

SKIN PROTECTION: Long pants, long-sleeved shirt, socks and shoes. An emergency shower should be readily accessible to the work area..

PROTECTIVE CLOTHING: Follow manufacturers' instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

WORK HYGENIC PRACTICES: Do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: ND
FREEZING POINT: 10F
VAPOR DENSITY (air = 1): ND
ODOR: Odorless

SPECIFIC GRAVITY: 1.16 @ 20C
EVAPORATION RATE: ND
VAPOR PRESSURE: ND
SOLUBILITY IN WATER: Soluble

APPEARANCE: Clear, viscous greenish/yellow solution **VISCOSITY:** 29.5 cPs @ 20C
pH: 4.84 (1% solution) **DENSITY (lbs./gal):** 9.67

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

X. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Excessive heat. Do not store near heat or flame..

STABILITY: Stable under normal conditions of storage and handling.

POLYMERIZATION: Will not occur.

INCOMPATIBLE MATERIALS: Strong oxidizing agents; bases and acids. Product reacts with galvanized steel or unlined steel (except stainless steel) to produce hydrogen gas that may form a highly combustible gas mixture which could flash or explode.

HAZARDOUS DECOMPOSITION PRODUCTS: Under fire conditions, may produce gases such as nitrogen oxides, carbon oxides and phosphorous oxides.

XI. TOXICOLOGICAL INFORMATION

Data from laboratory studies conducted on a similar, but not identical, formulation:

EYE EFFECTS: (Rabbit - 6): Moderately irritating (including transient corneal opacity) to unrinsed eyes. Mildly irritating to rinsed eyes. Unrinsed eyes cleared by day 7 and rinsed eyes cleared by 72 hours; FIFRA Category III.

SKIN EFFECTS: (Rabbit): 4-hour exposure: Slightly irritating. Cleared in all animals within 72 hours; FIFRA Category IV.

DERMAL LC₅₀: (Rat): >5000mg/kg; FIFRA Category IV

ORAL LD₅₀: (Rat): >5000 mg/kg; FIFRA Category IV

INHALATION LC₅₀: (Rat 4-hr): >2.05 mg/L; FIFRA Category IV

SENSITIZATION: (Guinea pig): Not a sensitizer

ACUTE EFFECTS FROM OVEREXPOSURE: Causes moderate eye irritation. Slight skin irritation. Harmful if swallowed or inhaled

CHRONIC EFFECTS FROM OVEREXPOSURE: Not known

CARCINOGENICITY:

IARC: Not Listed

OSHA: Not Listed

NTP: Not Listed

OTHER: Not Listed

XII. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Available data on similar formulations suggest that this product would be slightly to moderately toxic to aquatic organisms and practically non-toxic to avian species, honeybees and earthworms.

ECOTOXICOLOGICAL INFORMATION: Data from laboratory studies conducted on a similar, but not identical, formulation:

Rainbow Trout 96-hr LC ₅₀	22 mg/L (static)
Rainbow Trout 96-hr LC ₅₀	8.2 mg/L (dynamic)
Daphnia Magna 48-hr LC ₅₀	37 mg/L (aeration)
Daphnia Magna 48-hr LC ₅₀	24 mg/L (without aeration)
Bluegill Sunfish 96-hr LC ₅₀	5.8 mg/L (dynamic)
Bluegill Sunfish 96-hr LC ₅₀	14 mg/L (static)
Gammarus pseudolimnaeus 48-hr EC ₅₀	42 mg/L
Fathead minnow 96-hr LC ₅₀	9.4 mg/L
Channel Catfish 96-hr LC ₅₀	16 mg/L
Chinook Salmon 96-hr LC ₅₀	20 mg/L
Coho Salmon 96-hr LC ₅₀	2.1 mg/L
Algae S. Capricornutum 72-hr EC ₅₀	2.1 mg/L

Bobwhite Quail 8-day LC₅₀ >6300 ppm

Mallard Duck 8-day LC₅₀ >6300 ppm

XIII. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Do not contaminate water, foodstuffs, feed or seed by storage or disposal.
Product: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable federal, state or local procedures. Emptied container retains vapor and product residue. Observe all label safeguards until container is destroyed.
Container: Do not reuse container. Triple rinse container. Then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

XIV. TRANSPORTATION INFORMATION:

DOT Transportation: Not Regulated	Marine Pollution #1: NA
Proper Shipping Name: Compounds, tree or weed killing (Herbicides),NOI, other than poison	HM 181 Shipping Name: Not Regulated
Hazard Class: NA	ID NO.: NA
U.S. Surface Freight Class: 20	Reportable Quantity (RQ): NA

XV. REGULATORY INFORMATION – UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

SEC 311/312:

Y Immediate (Acute Health)

N Delayed (Chronic Health)

N Fire

N Sudden Release of Pressure

N Reactivity

SEC 302 (Extremely Hazardous Substance): NA

SEC 304 (Emergency Release Notification): NA

SEC 313 (Toxic Chemicals): NA

CERCLA RQ: NA

CAA RQ: NA

EPA Registration No.: 228-366-10404

NOTE: NA=Not Applicable; ND=Not Determined; NE=Not Established

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