

Material Safety Data Sheet

Effective Date: 05-JAN-2000  
Product: TRACITE 5-40-2

I. IDENTIFICATION

Chemical Name: NOT APPLICABLE, FORMULATED MIXTURE.  
Chemical Family: PLANT NUTRIENTS  
Formula: NOT APPLICABLE, FORMULATED MIXTURE.  
Synonyms: NONE  
CAS Number: SEE INGREDIENT STATEMENT, SECTION III.  
EPA Number: CA. REG. #5967-50345

II. PHYSICAL DATA

Boiling Point: 212 DEGREES F.  
Freezing Point: <35 DEGREES F.  
Spec Gravity: 1.620 GMS/CC  
Vapor Pressure: NOT DETERMINED  
Vapor Density: NOT DETERMINED  
Solubility: 100  
Volatiles: <0.1%  
Evaporation: NOT DETERMINED  
Melting Point: NOT APPLICABLE  
Appearance: CLEAR/YELLOW LIQUID, AMMONIA ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
FORMULATED BLEND OF PLANT NUTRIENTS: AMMONIUM NITRATE, POTASSIUM, DIAMMONIUM PHOSPHATE, POTASSIUM CHLORIDE AND UREA		44.60	NOT	SKIN & EYE APPLICABLE IRRITANT
PHOSPHORIC ACID	07664-38-2	55.40	1 MG/M3	CORROSIVE LIQUID

IV. FIRE AND EXPLOSION HAZARD

Flash Point: NOT APPLICABLE  
Autoignition Temp: NOT APPLICABLE  
Flammable Limit: NOT APPLICABLE  
Extinguishing Media: NONCOMBUSTIBLE PRODUCT. USE EXTINGUISHING MEDIA FOR UNDERLYING CAUSE OF FIRE.  
Special Fire Fight Proc: WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL.  
Fire and Expl Hazard: PRODUCT GENERATES TOXIC AND IRRITATING FUMES

Material Safety Data Sheet

Effective Date: 05-JAN-2000  
Product: TRACITE 5-40-2

-----  
UNDER FIRE CONDITIONS.  
-----

-----  
V. HEALTH HAZARD  
-----

Carcinogen Information: NONE CURRENTLY KNOWN.

ACUTE EFFECTS OF OVER EXPOSURE  
-----

Swallowing: RESULTS IN VOMITING AND ABDOMINAL CRAMPS; ORAL  
LD50 (RABBIT) 1530 MG/KG FOR PHOSPHORIC ACID.  
Skin Absorption: MAY BE HARMFUL BY SKIN ABSORPTION; SKIN LD50  
(RABBIT) 2740 MG/KG FOR PHOSPHORIC ACID.  
Inhalation: INHALATION RESULTS IN SEVERE IRRITATION TO  
NOSE AND THROAT.  
Skin contact: SKIN CONTACT RESULTS IN IRRITATION; (RABBIT)  
595 MG/24H SEVERE FOR PHOSPHORIC ACID.  
Eye Contact: EYE CONTACT RESULTS IN SEVERE IRRITATION AND  
POSSIBLE BURNS; (RABBIT) 119 MG SEVERE FOR  
PHOSPHORIC ACID.  
Chronic Effects: NONE CURRENTLY KNOWN.  
Other Hazard: NONE CURRENTLY KNOWN.

EMERGENCY AND FIRST AID PROCEDURES  
-----

Swallowing: DO NOT INDUCE VOMITING. IF VICTIM IS CONSCIOUS,  
GIVE LARGE AMOUNTS OF WATER. OBTAIN MEDICAL  
ATTENTION IMMEDIATELY.  
Skin: WASH SKIN THOROUGHLY WITH SOAP AND WATER. GET  
MEDICAL ATTENTION IF IRRITATION PERSISTS.  
Inhalation: MOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION  
IMMEDIATELY IF BREATHING BECOMES DIFFICULT.  
Eyes: FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING  
EYELIDS OPEN. OBTAIN MEDICAL ATTENTION  
IMMEDIATELY.  
Notes to Physician: IN THE EVENT OF AN ADVERSE RESPONSE, TREATMENT  
SHOULD BE DIRECTED TOWARD CONTROL OF THE  
SYMPTOMS AND THE CLINICAL CONDITION OF THE  
PATIENT. INGESTION MAY CAUSE CORROSIVE DAMAGE  
TO THE DIGESTIVE TRACT.

-----  
VI. REACTIVITY  
-----

Stability: Stable  
Conditions to Avoid: NONE NOTED  
Polymerization: Will Not Occur  
Conditions to Avoid: NONE NOTED  
Incompatibility material: PRODUCT MAY REACT VIGOROUSLY WITH ALKALINE

Material Safety Data Sheet

Effective Date: 05-JAN-2000  
Product: TRACITE 5-40-2

-----  
MATERIALS.

Hazardous Combustion: MAY PRODUCE AMMONIA AND PHOSPHORUS OXIDES UNDER  
FIRE CONDITIONS.

-----  
VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: CONTAIN SPILL. IF UNCONTAMINATED, RECOVER AND  
REUSE PRODUCT. IF CONTAMINATED, CAREFULLY ADD  
LIME OR SODIUM CARBONATE TO NEUTRALIZE PRODUCT.  
PICKUP AND PLACE RESIDUE IN PROPER CONTAINERS  
FOR DISPOSAL.

Waste Disposal Method: THIS MATERIAL MUST BE DISPOSED OF ACCORDING TO  
FEDERAL, STATE, OR LOCAL PROCEDURES UNDER THE  
RESOURCE CONSERVATION AND RECOVERY ACT.

-----  
VIII. SPECIAL PROTECTION INFORMATION

Respiration: NIOSH/MSHA CARTRIDGE TYPE RESPIRATOR APPROVED  
FOR AMMONIA GAS.

Ventilation: LOCAL EXHAUST SUFFICIENT.

Gloves: IMPERVIOUS

Eyes: SPLASH PROOF GOGGLES.

Other: EMERGENCY SHOWER, EYE WASH STATION, IMPERVIOUS  
APRON AND FOOTWEAR.

-----  
IX. SPECIAL PRECAUTIONS

Special precaution: KEEP OUT OF REACH OF CHILDREN. DO NOT STORE  
WITH FOOD, FEED, OR OTHER MATERIAL TO BE USED  
OR CONSUMED BY HUMANS OR ANIMALS. DO NOT  
CONTAMINATE WATER SUPPLIES, LAKES, STREAMS, OR  
PONDS. PROTECT AGAINST PHYSICAL DAMAGE. STORE  
SEPERATE FROM ALKALINE MATERIALS. DO NOT ADD  
TRACITE 5-40-2 TO HYPOCHLORITE BLEACHES,  
CHLORINE SANITIZERS OR CHLORINATED CLEANERS AS  
THIS LIBERATES TOXIC, CORROSIVE CHLORINE GAS  
FROM THE PHOSPHORIC ACID CONTENT OF THIS  
PRODUCT.

Other precaution: A) RCRA HAZARDOUS WASTE NUMBER:----- D002,  
CORROSIVITY  
B) SARA TITLE III, SECTION 313:----- PHOSPHORIC  
ACID (55.4%)  
C) SARA THRESHOLD PLANNING QUANTITY: NOT LISTED  
D) CERCLA REPORTABLE QUANTITY:----- 670 GAL.  
(TRACITE 5-40-2)  
E) CALIFORNIA PROPOSITION 65:----- NOT LISTED

Material Safety Data Sheet

Effective Date: 05-JAN-2000  
Product: TRACITE 5-40-2

-----  
F) LISTED UNDER MASSACHUSETTS AND NEW JERSEY  
STATE RIGHT-TO-KNOW LAW.  
-----

-----  
X. SHIPPING INFORMATION  
-----

Shipping name: CORROSIVE LIQUIDS, N.O.S., (CONTAINS PHOSPHORIC  
ACID)8, UN1760, PG III "ERG GUIDE #154"  
Hazard Class: CORROSIVE (8)  
Identification No: UN1760  
Labels Required: CORROSIVE (8)  
Placarding: CORROSIVE (8)  
Freight Class: COMPOUND, FERTILIZER (MANUFACTURED FERTILIZER)  
LIQUID, NOIBN

Chemical Name	Equivalent R.Q.
----- PHOSPHORIC ACID	----- 5000 LB(2270 KG)

-----  
XI. GENERAL PRODUCT INFORMATION  
-----

National Fire Protection Association Rating:  
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2                      Fire: 0                      Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y	Delayed (Chronic) Health: N
Sudden Release of pressure: Y	Fire: N
Reactive: N	

-----  
Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017  
Helena Chemical Company believes that the data contained herein is factual.  
This data is not to be taken as a warranty or representation of legal  
responsibility. It is offered solely for your consideration, investigation  
and verification.