



MATERIAL SAFETY DATA SHEET

320 37th Avenue, St. Charles, Illinois 60174
www.unitedlabsinc.com - www.unitedlabsinc.ca

To Reorder Call:
800-323-2594

1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES
24 Hour INFOTRAC (US and CANADA): **800-535-5053**

PRODUCT NAME
UNITED 385

USE/DESCRIPTION
EMULSIFIABLE VEGETATION KILLER CONCENTRATE

REVISION DATE
October 10, 2011

HMIS III HEALTH (0 = Maximum Safety) 2

Always follow Label Directions and Cautions.

* Chronic 2 Moderate
 4 Severe 1 Slight
 3 Serious 0 Minimal
See Hazards Identification Section of this MSDS for more detailed information.

PHYSICAL HAZARD (0 = Maximum Safety) 0

Susceptible to Release of Energy.

4 May detonate-vacate area if materials are exposed to fire. 2 Violent chemical change possible-use hose stream from distance
 3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers. 1 Unstable if heated-use precaution.
0 Normally stable.

FLAMMABILITY (0 = Maximum Safety) 2

Susceptibility of Material to Burning.

4 Extremely flammable. 1 Must be preheated
 3 Ignites at normal temperature. to burn.
 2 Ignites when moderately heated. 0 Will not burn.

PERSONAL PROTECTION: n & p



2. COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredients | CAS# | %Range | ACGIH (TLV-TWA) | OSHA (PEL-TWA) | LD50 (Species/Route) | LC50 (Species) |
|--|------------|--------|-----------------|-----------------|----------------------|----------------|
| Aliphatic Hydrocarbons | 68476-31-3 | 70-80 | 100 ppm | 100 ppm | NE | NE |
| 2,4-bis(isopropylamino)-6-Methoxy-S-triazine(Prometon) | 1610-18-0 | 3.73 | NE | NE | NE | NE |
| n-Butanol | 71-36-3 | 1 – 5 | 50 ppm (skin) C | 50 ppm (skin) C | NE | NE |
| Xylene | 1330-20-7 | 1 – 5 | 100 ppm | 100 ppm | NE | NE |
| Glycol monophenyl ether | 122-99-6 | 1 – 5 | NE | NE | NE | NE |
| 1,2,4-Trimethylbenzene | 95-63-6 | 1 – 5 | 25 ppm | 25 ppm | NE | NE |
| o-Xylene | 95-47-6 | 1 – 5 | 100 ppm | 100 ppm | NE | NE |
| Ethyl benzenes | 100-41-4 | < 1 | 100 ppm | 100 ppm | NE | NE |

3. HAZARDS IDENTIFICATION

Eyes: Severe irritation, redness, tearing, blurred vision.

Skin: Prolonged or repeated exposure can remove natural skin oils and may produce irritation.

Inhalation: May cause respiratory tract irritation, dizziness, weakness, headache, nausea, unconsciousness.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting, diarrhea.

4. FIRST AID MEASURES

Eyes: Hold eye open and rinse slowly and gently with water for 15-20 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: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

Ingestion: Immediately call a poison control center or doctor. DO NOT induce vomiting unless told to do so by a poison control center or doctor. Do not give **any** liquid by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): 123°F/50.5°C

Explosive Limits: Lower (LEL): ND Upper (UEL): ND

Flame Projection (Aerosol): NA

Hazardous Products of Combustion: When strongly heated, as in a fire, this product may produce carbon dioxide, carbon monoxide and nitrogen.

Fire and Explosion Hazards: Solvent vapors may flash back.

Extinguishing Media: Foam, carbon dioxide, dry chemical.

Fire Fighting Instructions: Wear self-contained breathing apparatus w/full protective clothing. Fire may produce hazardous vapors. Minimize the amount of water used to fight fire, as runoff may cause pollution. Contain any run off for proper disposal. Cool containers with water fog.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Eliminate all ignition sources. Ventilate the area. Wear appropriate protective clothing and safety equipment. Absorb spill with inert material (e.g. dry sand, earth) and place in a container for proper disposal. Clean away residue with soap and water.

Large Spills: Eliminate all ignition sources. Ventilate the area. Wear appropriate protective clothing and safety equipment. Dike the area and collect material by wet vacuuming or with an absorbent and place in a container for proper disposal. Clean away residue with soap and water. Do not allow spill or rinse water to enter sewers, waterways or water systems.

7. HANDLING AND STORAGE

Keep this product in properly labeled, tightly closed containers. Store in cool, well-ventilated area away from sources of ignition. Do not contaminate water, feed or seed by storage or disposal. Use with adequate ventilation. After handling, always wash hands thoroughly with soap and water. Avoid contact with skin and eyes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Chemical safety goggles are recommended.

Skin: Chemical resistant gloves are recommended.

Respiratory: Avoid breathing mist or vapors. If TLV limits are exceeded wear a NIOSH/MSHA approved self-contained breathing apparatus.

Engineering Controls: Good general ventilation required.

Other Protective Clothing: Shirts with sleeves and long pants recommended to avoid skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: NA **Specific Gravity:** 0.87 (H₂O=1) **Vapor Pressure:** ND **Melting Point:** ND

Vapor Density: ND **Evaporation Rate:** > 1 (H₂O=1) **Solubility in Water:** Emulsifiable **pH:** NA

Appearance and Odor: Reddish to brown liquid with petroleum odor.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: When strongly heated, as in a fire, this product may produce carbon dioxide, carbon monoxide and nitrogen.

Chemical Stability: Stable

Incompatibility: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity (NTP/IARC/OSHA): Yes – Xylene and o-Xylene

California Proposition 65: Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? None

12. ECOLOGICAL INFORMATION

ND

13. DISPOSAL CONSIDERATIONS

Consult your local, state, and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

14. TRANSPORT INFORMATION

DOT: Available upon request

TDG: Available upon request

UN: Available upon request

15. REGULATORY INFORMATION

VOC(Volatile Organic Compounds): 9 – 10 %

TSCA (Toxic Substances Control Act): Listed

SARA Title III Section 302 EHS: Ethyl benzenes, n-Butanol, Xylene, O-Xylene

SARA Title III Section 311/312: None

SARA Title III Section 313 Toxic Chemicals: Ethyl benzenes CAS#100-41-4 (0.07*), n-Butanol CAS#71-36-3 (0.36*), Xylene CAS#1330-20-7 (0.36*), Glycol monophenyl ether CAS#122-99-6 (0.36*), 1,2,4-Trimethyl benzene CAS#95-63-6 (0.36*), O-Xylene CAS#95-47-6 (0.36*)

*Pounds of reportable material per gallon of UNITED product.

WHMIS Classification:

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.

UNITED 385 EMULSIFIABLE VEGETATION KILLER CONCENTRATE

PREPARED BY: Sandy Kopacz