

CUSTOMER: F0399568  
BATCH #: 041060019  
ZONE #: 10  
BARCODE #: 9611019095150211881597  
PRODUCT NAME: ULTRA LAST E-Z TRAC AERO

ORDER #: 1197@  
STICKER #: 041060095

MATERIAL SAFETY DATA SHEET: ULTRA LAST E-Z TRAC AERO Page: 1

(00-000000- -5673 )

DATE OF ISSUE 2/14/2002	SUPERSEDES 8/23/2000
----------------------------	-------------------------

SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms: N/A Trade Name & Synonyms: ULTRA LAST E-Z TRAC AERO  
Chemical Family: SOLVENT-BASED EPOXY Formula Mixture --> X  
Manufacturer's Name: CHEMSEARCH DIV. OF NCH CORP.  
Address: BOX 152170 IRVING, TX 75015  
Prepared By: K Dickinson/Chemist Product Code Number: 5673 Emergency Phone Number: 800-424-9300

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)	Hazard	TLV	PEL	STEL	CAS #
TOLUENE	*	50 PPM 1	100 PPM 2	NOT EST	108-88-3
XYLENE	IRR/FLAM.	100 PPM 1	100 PPM 2	150 PPM 1	1330-20-7
ETHYL BENZENE	\$	100 PPM 1	100 PPM 2	125 PPM 1	100-41-4
ACETONE	IRR/FLAM.	500 PPM 1	1000 PPM 2	750 PPM 1	67-64-1
ISOBUTANE	FLAM/ASPHX	NOT EST 1	NOT EST 2	NOT EST	75-28-5
PROPANE	FLAM/ASPHX	2500 PPM 1	1000 PPM 2	NOT EST	74-98-6
EPOXY RESIN	IRRITANT	NOT EST 1	NOT EST 2	NOT EST	TRADE SECRET
* IRR/FLAM/SL.TOX.					
\$ IRR/FLAM/CARC 5.					

SECTION III - PHYSICAL DATA

Boiling Point (F): 133	Specific Gravity (H2O=1): 0.76
Vapor Pressure (MM HG): 3103	Color: BROWNISH YELLOW
Vapor Density (Air=1): >1	Odor: AROMATIC SOLVENT
PH @ 100%: N/A	Clarity: TRANSPARENT
% Volatile by Volume: 85-90	Evaporation Rate (BU A/C=1): >2
H2O Solubility: NEGLIGIBLE	Viscosity: NON-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point <20 F / T.C.C. Flammable Limits EB/ACETONE LEL 0.8% UEL 12.8%

Extinguishing Media: X --Foam --Alcohol Foam X --CO2 X --Dry Chemical X --Water Spray --Other

Special Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT BURSTING.

Unusual Fire and Explosion Hazards: VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO DISTANT SOURCES OF IGNITION AND FLASHBACK. PRODUCT MAY PRODUCE A FLOATING FIRE HAZARD AS LIQUID FLOATS ON WATER. FLAME EXTENSION IS >30 INCHES, BURNBACK IS 6 INCHES.

Aerosol Level (NFPA 30B): 3

NFPA 704 Hazard Rating (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)  
2 --Health 4 --Flammability 0 --Instability --Special

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value: NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

Effects of Overexposure: -Acute (Short Term Exposure)

SKIN CONTACT: CAUSES IRRITATION SEEN AS ITCHING AND REDNESS. MAY CAUSE ALLERGIC SKIN REACTION.  
EYES: CAUSES IRRITATION SEEN AS REDNESS, STINGING AND TEARING.  
INHALATION: EXCESSIVE INHALATION OF VAPORS MAY CAUSE HEADACHE, DIZZINESS, ANESTHETIC EFFECTS AND UNCONSCIOUSNESS. PRODUCT VAPORS DISPLACE AIR AND CAN CAUSE ASPHYXIATION, ESPECIALLY IN CONFINED SPACES. INHALATION OF MIST MAY CAUSE CHEMICAL PNEUMONITIS WHICH CAN CAUSE DAMAGE AND MAY BE FATAL.  
INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING AND DIARRHEA. INGESTION AND SUBSEQUENT VOMITING OF THIS PRODUCT CAN LEAD TO ASPIRATION OF THE PRODUCT INTO THE LUNGS WHICH CAN CAUSE DAMAGE AND MAY BE FATAL.

## SECTION V - HEALTH HAZARD DATA (Continued)

## -Chronic (Long Term Exposure)

MAY CAUSE SKIN SENSITIZATION IN SOME INDIVIDUALS. CHRONIC INHALATION OF SOLVENTS LIKE XYLENE HAS CAUSED PERMANENT CENTRAL AND PERIPHERAL NERVOUS SYSTEM DAMAGE RESULTING IN DECREASED LEARNING ABILITY. A CONDITION KNOWN AS "PAINTER'S SYNDROME" CAN OCCUR CAUSING A LOSS OF SENSATION IN THE ARMS AND HANDS (PERIPHERAL NEUROPATHY). MAY CAUSE CARDIAC ABNORMALITIES. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA AND DERMATITIS AND PRE-EXISTING LIVER AND KIDNEY DISEASES. TARGET ORGANS: LIVER, KIDNEY, CENTRAL NERVOUS AND PERIPHERAL NERVOUS SYSTEMS.

Primary Routes of Entry: X <--Inhalation <--Ingestion X <--Absorption

## Emergency and First Aid Procedures:

-Inhalation:  
REMOVE FROM THE AREA TO FRESH AIR. IF NOT BREATHING, CLEAR THE AIRWAY AND START MOUTH TO MOUTH ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.

-Eye Contact:  
RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

-Skin Contact:  
WASH AFFECTED AREAS WITH LARGE AMOUNTS OF SOAP AND WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

-Ingestion:  
GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

-Notes to Physician:  
INGESTION AND SUBSEQUENT VOMITING OF THIS PRODUCT CAN LEAD TO ASPIRATION OF THE PRODUCT INTO THE LUNGS WHICH CAN CAUSE DAMAGE AND MAY BE FATAL. DEPENDING ON THE AMOUNT INGESTED AND RETAINED AS WELL AS THE TOXICITY OF THE PRODUCT, GASTRIC LAVAGE SHOULD BE CONSIDERED. KEEP PATIENT'S HEAD BELOW HIPS TO PREVENT PULMONARY ASPIRATION. IF COMATOSE, A CUFFED ENDOTRACHEAL TUBE WILL PREVENT ASPIRATION.

## SECTION VI - TOXICITY INFORMATION

## Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC--> Yes NTP--> No OSHA--> No ACGIH--> No OTHER--> No

TOLUENE  
EYE-HMN-SDT: 300 PPM 3.  
SKN-RBT-SDT: 500 MG MODERATE 3.  
SKN-RBT LD50: 12124 MG/KG 4.  
IHL-RAT LC50: 49 GM/M3/4H 3.  
ORL-RAT LD50: 636 MG/KG 3.

REPEATED ORAL ADMINISTRATION PRODUCED LIVER, KIDNEY AND BLOOD CHANGES IN RATS. INHALATION EXPOSURE PRODUCED LUNG IRRITATION AND DAMAGE IN RATS, BLOOD CHANGES IN RATS AND MICE, LIVER CHANGES IN RATS, MICE AND RABBITS, DECREASED RESISTANCE TO LUNG INFECTION IN MICE AND VARIOUS BRAIN EFFECTS INCLUDING SUBTLE BEHAVIOR CHANGES AND HEARING LOSS IN RATS AND MICE. 4.

XYLENE  
ORL-RAT LD50: 4300 MG/KG 3.  
IHL-RAT LC50: 5000 PPM/4H 3.  
IHL-HMN LCLo: 1000 PPM/6H 3.  
SKN-RBT LD50: >1700 MG/KG 3.  
SKN-RBT SDT: 500 MG/24H MODERATE 3.  
EYE-RBT SDT: 5 MG/24H SEVERE 3.

ETHYL BENZENE  
ORL-RAT LD50: 3500 MG/KG 3.  
IHL-HMN TCLo: 100 PPM/8H 3.  
SKN-RBT LD50: 17800 UL/KG 3.  
SKN-RBT OPEN IRRITATION TEST: 15 MG/24H MILD 3.  
EYE-RBT SDT: 500 MG SEVERE 3.

THE IARC HAS EVALUATED ETHYL BENZENE AND CLASSIFIED IT AS A POSSIBLE HUMAN CARCINOGEN (GROUP 2B) BASED ON SUFFICIENT EVIDENCE FOR CARCINOGENICITY IN EXPERIMENTAL ANIMALS, BUT INADEQUATE EVIDENCE FOR CANCER IN EXPOSED HUMANS. 5.

ACETONE  
EYE-RBT-SDT: 20 MG SEVERE 3.  
SKN-RBT-SDT: 500 MG/24H MILD 3.  
IHL-RAT LC50: 50100 MG/M3/8H 3.  
ORL-RAT LD50: 5800 MG/KG 3.

ISOBUTANE  
IHL-RAT LC50: 57 PPM/15M 4.

PROPANE  
NO TOXICOLOGICAL DATA AVAILABLE.

PROPANE/ISOBUTANE MIXTURE  
NO APPARENT ILL EFFECTS IN BREATHING CONCENTRATIONS OF 5% FOR 2 HOURS. 4.  
CAUSES DROWSINESS IN SHORT TIME IN CONCENTRATIONS OF 1%. 4.

EPOXY RESIN  
NO TOXICOLOGICAL DATA AVAILABLE.

## SECTION VII - REACTIVITY DATA

Stability: X <--Stable <--Unstable  
Conditions to Avoid:  
AVOID HEAT, HOT SURFACES, SPARKS AND OPEN FLAMES.

Incompatibility (Materials to Avoid):  
STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE; ACIDS.

Hazardous Decomposition Products:  
OXIDES OF CARBON.

Hazardous Polymerization: <--May Occur X <--Will Not Occur  
Conditions to Avoid:

SECTION VII - REACTIVITY DATA (Continued)

N/A.

SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled:

Eliminate all sources of ignition. Due to the nature of the aerosol packaging, a large spill is unlikely. For a small spill, absorb with an inert material and transfer all material into a properly labeled container for disposal. Wear appropriate protective clothing. Prevent product from contaminating soil or from entering sewage and drainage systems and bodies of water.

Waste Disposal Method(s):

Dispose of in accordance with all federal, state and local regulations. Typical disposal is to wrap the empty aerosol container in several layers of newspaper and dispose of in the trash. Aerosol recycling programs are available in many areas. Do not puncture or incinerate this container.

Neutralizing Agent:

None known.

SECTION IX - SPECIAL PROTECTION INFORMATION

Required Ventilation:

Local ventilation is recommended to control exposure.

Respiratory Protection:

A NIOSH/MSHA approved respirator in poorly ventilated areas and/or for exposure above the ACGIH TLV or OSHA PEL.

Glove Protection:

Neoprene or nitrile rubber gloves should be worn.

Eye Protection:

Safety glasses with side shields if the method of use presents the likelihood of eye contact.

Other Protection:

Wear protective clothing when handling.

SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature:

Indoors--> X

Outdoors-->

Heated-->

Refrigerated-->

Minimum Temperature: 35 F

Maximum Temperature: 120 F

Precautions to be Taken in Handling and Storing:

Use with caution around heat, sparks, pilot lights, static electricity and open flame.

Other Precautions:

Keep out of reach of children. Read the entire label before using the product.

SECTION XI - REGULATORY INFORMATION

Chemical Name

CAS Number

Upper & Limit

TOLUENE

108-88-3

20

XYLENE

1330-20-7

15

ETHYL BENZENE

100-41-4

10

Those ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Please call 1-800-527-9919 for additional information if you are a California customer. This MSDS is not intended for users in the state of California.

SECTION XII - REFERENCES

- 1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2001.
2. OSHA PEL.
3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODisc, 2001.
4. VENDOR'S MSDS.
5. IARC.

ALL COMPONENTS IN THIS PRODUCT CAN BE FOUND IN THE CURRENT TSCA INVENTORY.

IRR:IRRITANT, FLAM/FLAMM:FLAMMABLE, COMB:COMBUSTIBLE, CORR:CORROSIVE, CARC:CARCINOGENIC, TOX:TOXIC, N/A:NOT APPLICABLE, N/E:NOT ESTABLISHED, COC:CLEVELAND OPEN CUP, PMCC:PENSKY-MARTIN CLOSED CUP, TCC:TAGLIABUE CLOSED CUP, LEL:LOWER EXPLOSION LIMIT, UEL:UPPER EXPLOSION LIMIT, NFPA:NATIONAL FIRE PROTECTION ASSOCIATION, IARC:INTERNATIONAL AGENCY FOR THE RESEARCH ON CANCER, NTP:NATIONAL TOXICOLOGY PROGRAM, OSHA:OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, ACGIH:AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, TLV:THRESHOLD LIMIT VALUE, PEL:PERMISSIBLE EXPOSURE LIMIT, STEL:SHORT-TERM EXPOSURE LIMIT, MLD:MILD, MOD:MODERATE, SEV:SEVERE, MUT: MUTAGENIC, ASPHYX:ASPHYXANT, PNOS: PARTICULATES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT:STANDARD DRAIZE TEST, ORL: ORAL, HMN: HUMAN, IHL:INHALATION

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE IN LIGHT OF CURRENT FORMULATION. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

CHEMSEARCH DIV. OF MCH CORP. assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage, or disposal of the product.

