

## MATERIAL SAFETY DATA SHEET ULTRA LAST E-Z TRAC AERO

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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

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SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS:

Chemical Name (Ingredients): TOLUENE  
Hazard: \*  
TLV: 50 PPM 1  
PEL: 100 PPM 2  
STEL: NOT EST  
CAS#: 108-88-3

Chemical Name (Ingredients): XYLENE  
Hazard: IRR/FLAM.  
TLV: 100 PPM 1  
PEL: 100 PPM 2  
STEL: 150 PPM 1  
CAS#: 1330-20-7

Chemical Name (Ingredients): ETHYL BENZENE  
Hazard: \$  
TLV: 100 PPM 1  
PEL: 100 PPM 2  
STEL: 125 PPM 1  
CAS#: 100-41-4

Chemical Name (Ingredients): ACETONE  
Hazard: IRR/FLAM.  
TLV: 500 PPM 1  
PEL: 1000 PPM 2  
STEL: 750 PPM 1  
CAS#: 67-64-1

Chemical Name (Ingredients): ISOBUTANE  
Hazard: FLAM/ASPHX  
TLV: NOT EST 1  
PEL: NOT EST 2  
STEL: NOT EST

CAS#: 75-28-5

Chemical Name (Ingredients): PROPANE  
Hazard: FLAM/ASPHX  
TLV: 2500 PPM 1  
PEL: 1000 PPM 2  
STEL: NOT EST  
CAS#: 74-98-6

Chemical Name (Ingredients): EPOXY RESIN  
Hazard: IRRITANT  
TLV: NOT EST 1  
PEL: NOT EST 2  
STEL: NOT EST  
CAS#: TRADE SECRET

Chemical Name (Ingredients): \* IRR/FLAM/SL.TOX.  
Hazard:  
TLV:  
PEL:  
STEL:  
CAS#:

Chemical Name (Ingredients): \$ IRR/FLAM/CARC 5.  
Hazard:  
TLV:  
PEL:  
STEL:  
CAS#:

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### 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

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### 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:  
Foam: X Alcohol Foam: CO2: X  
Dry Chemical: X Water Spray: X 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)

Health: 2 Flammability: 4 Instability: 0 Special:

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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.

EYE CONTACT: 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.

-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: Inhalation: X Ingestion: Absorption: X

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.

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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.

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SECTION VII - REACTIVITY DATA

Stability:                      Stable: X                      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:                      Will Not Occur: X

Conditions to Avoid: N/A.

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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.

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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.

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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.

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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 and of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

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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.

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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:ASPHYXIAN, T,  
PNOS: PARTICULATES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT:STANDARD DRAIZE TEST, ORL:  
ORAL, HMN: HUMAN, IHL:INHALATION  
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