Supercedes Date 11/14/2007 **Issuing Date** 08/24/2010

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name ELECTRA COAT AEROSOL
Recommended Use Lubricant
Information on Manufacturer

Product Code 0000
Chemical Nature Polymer suspension
Emergency Telephone Number
CHEMTREC ® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview
DANGER
Extremely flammable
Vapors may cause flash fire or explosion
Harmful if inhaled
Causes skin irritation
Causes eye irritation
May be harmful if swallowed

Color Colorless Light yellow **Physical State** Liquid **Odor** Petroleum distillates

Potential Health Effects

Principle Route of Exposure Eye contact, Skin contact, Inhalation.
Primary Routes of Entry Inhalation, Skin Absorption.
Acute Effects
Eyes Causes eye irritation.
Skin Causes skin irritation. May be absorbed through the skin in harmful amounts.
Inhalation Causes respiratory tract irritation. Causes headache, drowsiness or other effects to the central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.
Chronic Toxicity Repeated and prolonged exposure to solvents may cause brain and nervous system damage, May cause irregular heartbeats, especially under conditions of stress, Repeated absorption may cause disorder of central nervous system, liver kidneys and blood, Suspect reproductive hazard contains material which may injure unborn child, May cause polymer fume fever, a temporary flu-like illness accompanied by chills, fever, and a cough. This can last up to 24 hours in duration.
Target Organ Effects Eyes, Skin, Respiratory system, Central nervous system, Peripheral Nervous System (PNS), Ears, Heart, Liver, Kidney, Blood.
Aggravated Medical Conditions Skin disorders, Respiratory disorders, Neurological disorders, Blood disorders, Heart disease, Liver disorders, Kidney disorders.
Potential Environmental Effects See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Xylenes (o-, m-, p- isomers)	1330-20-7
Styrene-butadiene polymer	9003-55-8
Hexanes	110-54-3
Propane	74-98-6
Butane	106-97-8

The product contains no substances which at their given concentration, are considered to be hazardous to health

4. FIRST AID MEASURES

General Advice Avoid breathing vapors, mist, or gas. Avoid contact with skin, eyes and clothing.
Eye Contact Rinse thoroughly with plenty of water also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
Inhalation Move to fresh air. In case of shortness of breath, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if irritation develops and persists.
Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point -10°F/-23°C **Method** Seta closed cup
Autoignition Temperature No information available.
Flammability Limits in Air % Solvent mixture. **Upper** 9.5 **Lower** 0.9
Suitable Extinguishing Media
Foam. Alcohol-resistant foam. Dry chemical. Water spray. Carbon dioxide (CO2).
Specific hazards arising from the chemical
Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Flame extension: >30 inches / >75 cm and Burnback: 6 inches / 15 cm.
Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Aerosol Level (NFPA 30B) 3

NFPA	**Health** 2	**Flammability** 4	**Instability** 0
HMIS	**Health** 2	**Flammability** 4	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Wear protective gloves/clothing. Remove all sources of ignition. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so.
Environmental Precautions Do not flush into surface water or sanitary sewer system.
Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.
Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Keep away from open flames, hot surfaces and sources of ignition. Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing.
Storage Keep away from heat and sources of ignition. Keep out of the reach of children.
Storage Temperature **Minimum** 35°F/2°C **Maximum** 120°F/49°C
Storage Conditions **Indoor** X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Xylenes (o-, m-, p- isomers)	150 ppm STEL 100 ppm TWA	100 ppm TWA; 435 mg/m^3 TWA	No data available
Styrene-butadiene polymer	3 mg/m^3 PNOS	5 mg/m^3 PNOR	No data available
Hexanes	Skin 1000 ppm STEL (other than n-Hexane) 50 ppm TWA 500 ppm TWA (other than n-Hexane)	500 ppm TWA; 1800 mg/m^3 TWA	1100 ppm IDLH (10% LEL) 50 ppm TWA; 180 mg/m^3 TWA 100 ppm TWA (other than n-Hexane); 350 mg/m^3 TWA (other than n-Hexane) 510 ppm Ceiling (other than n-hexane, 15 min); 1800 mg/m^3 Ceiling (other than n-hexane, 15 min)
Propane	1000 ppm TWA	1000 ppm TWA; 1800 mg/m^3 TWA	2100 ppm IDLH (10% LEL) 1000 ppm TWA, 1800 mg/m^3 TWA
Butane	1000 ppm TWA	No data available	800 ppm TWA, 1900 mg/m^3 TWA

Engineering Measures Ensure adequate ventilation, especially in confined areas. Handle only in a place equipped with local exhaust (or other appropriate exhaust).

Personal Protective Equipment
Eye/Face Protection Safety glasses with side-shields.
Skin Protection Wear suitable protective clothing, Impervious gloves.
Respiratory Protection In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	**Viscosity**	Semi-viscous
Color	Colorless Light yellow	**Odor**	Petroleum distillates
Appearance	Transparent - Cloudy	**pH**	Not applicable
Specific Gravity	0.77	**Evaporation Rate**	>1
Percent Volatile (Volume)	>83	**VOC Content (%)**	83
VOC Content (g/L)	639	**Vapor Pressure**	< 3,800 mmHg @ 70 °F
Vapor Density	>1 (Air = 1.0)	**Solubility**	Negligible
Boiling Point/Range	No data available		

10. STABILITY AND REACTIVITY

Chemical Stability Stable Hazardous polymerization does not occur.
Conditions to Avoid None known.
Incompatible Products Strong oxidizing agents
Hazardous Decomposition Products Carbon oxides
Possibility of Hazardous Reactions None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

Component Information
Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Xylenes (o-, m-, p- isomers)	4300 mg/kg (Rat)	1700 mg/kg (Rabbit)	5000 ppm (Rat) 4 h 47635 mg/L (Rat) 4 h	no data available	no data available
Styrene-butadiene polymer	no data available	no data available	no data available	no data available	no data available
Hexanes	25 g/kg (Rat)	3000 mg/kg (Rabbit)	48000 ppm (Rat) 4 h	no data available	no data available
Propane	no data available	no data available	658 mg/L (Rat) 4 h	no data available	no data available
Butane	no data available	no data available	658 mg/L (Rat) 4 h	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Xylenes (o-, m-, p- isomers)	no data available	no data available	X	no data available	heart, blood, lung, CNS. PNS, respiratory system, ears, liver, kidney
Styrene-butadiene polymer	no data available	no data available	no data available	no data available	no data available
Hexanes	no data available	no data available	no data available	no data available	eyes, CNS. respiratory system. skin, PNS eyes, CNS. respiratory system, skin (other than n-hexane)
Propane	no data available	no data available	no data available	no data available	CNS
Butane	no data available	no data available	no data available	no data available	CNS

Carcinogenicity There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
Xylenes (o-, m-, p- isomers)	not applicable	not applicable	not applicable	not applicable	not applicable
Styrene-butadiene polymer	not applicable	not applicable	not applicable	not applicable	not applicable

Hexanes	not applicable	not applicable	not applicable	not applicable	not applicable
Propane	not applicable	not applicable	not applicable	not applicable	not applicable
Butane	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Xylenes (o-, m-, p- isomers)	no data available	LC50 13.1-16.5 mg/L Lepomis macrochirus 96 h LC50 13.5-17.3 mg/L Oncorhynchus mykiss 96 h LC50 2.661-4.093 mg/L Oncorhynchus mykiss 96 h LC50 23.53-29.97 mg/L Pimephales promelas 96 h LC50 30.26-40.75 mg/L Poecilia reticulata 96 h LC50 7.711-9.591 mg/L Lepomis macrochirus 96 h LC50= 13.4 mg/L Pimephales promelas 96 h LC50= 19 mg/L Lepomis macrochirus 96 h LC50= 780 mg/L Cyprinus carpio 96 h LC50> 780 mg/L Cyprinus carpio 96 h	EC50 = 0.0084 mg/L 24 h	LC50 = 0.6 mg/L 48 h EC50 = 3.82 mg/L 48 h	2.77 - 3.15
Styrene-butadiene polymer	no data available	no data available	no data available	no data available	N/A
Hexanes	no data available	LC50 2.1-2.98 mg/L Pimephales promelas 96 h	no data available	EC50 > 1000 mg/L 24 h	N/A
Propane	no data available	no data available	no data available	no data available	<=2.8 2.3
Butane	no data available	no data available	no data available	no data available	<=2.8 2.89

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Warning! Container under pressure. Do not puncture. Empty remaining contents.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name Consumer commodity
Hazard Class ORM-D
Description Consumer commodity ,ORM-D,

TDG

Proper shipping name Aerosols
Hazard Class 2.1
UN-No UN1950
Description AEROSOLS,2.1,UN1950 LTD. QTY.

ICAO

UN-No UN1950
Proper Shipping Name Aerosols
Hazard Class 2.1
Shipping Description Aerosols,UN1950 LTD. QTY.

IATA

UN-No UN1950
Proper Shipping Name Aerosols, flammable
Hazard Class 2.1
ERG Code 10L
Shipping Description UN1950,Aerosols, flammable,2.1 LTD. QTY.

IMDG/IMO

Proper Shipping Name Aerosols
Hazard Class 2.1
UN-No UN1950
EmS No. F-D, S-U
Shipping Description UN1950, Aerosols,2.1 LIMITED QUANTITIES

15. REGULATORY INFORMATION

Inventories
TSCA Complies
DSL Complies

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372.

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Xylenes (o-, m-, p- isomers)	1330-20-7	15-40	1.0 % de minimis concentration
Hexanes	110-54-3	30-60	1.0 % de minimis concentration

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	Yes	Yes	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Xylenes (o-, m-, p- isomers)	Not applicable	Not applicable
Styrene-butadiene polymer	Not applicable	Not applicable
Hexanes	Not applicable	Not applicable
Propane	Not applicable	Not applicable
Butane	Not applicable	Not applicable

Canada

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

WHMIS Hazard Class
A Compressed gases, B5 Flammable aerosol, D2B Toxic materials.

16. OTHER INFORMATION

Prepared By	Mike McDowell
Supercedes Date	11/14/2007
Issuing Date	08/24/2010
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available

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. The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.