Safety Data Sheet

Kem Krest AC Delco Adhesion Promotor

Section 1. Identification

Product Identifier	Kem Krest AC Delco Adhesion Promotor
Synonyms	12378462
Manufacture Stock Numbers	12378462
Recommended use	Refer to Technical Data
Uses advised against	Refer to Technical Data
Manufacturer Contact Address	Dynatex Inc. 350 Ring Road Elizabethtown, KY, 42701 USA

Phone	Emergency Phone	Fax
(270) 769-3385	(800) 424-9300 Chemtrec	N/A

Section 2. Hazards Identification

Classification

ASPIRATION HAZARD - Category 1
CARCINOGENICITY - Category 2
EYE DAMAGE/IRRITATION - Category 2B
FLAMMABLE LIQUIDS - Category 2
SENSITIZATION - SKIN - Category 1
SPECIFIC TARGET ORGAN TOXICITY (Repeated Exposure) - Category 1
SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) - Category 1
TOXIC TO REPRODUCTION - Category 1A

Signal Word

Danger

Pictogram

Hazard Statements

Causes damage to nervous system and/or sensory organs through prolonged or repeated exposure.
Causes damage to sensory organs.
Causes eye irritation

	Highly flammable liquid and vapor May be fatal if swallowed and enters airways May cause an allergic skin reaction May damage fertility or the unborn child. Suspected of causing cancer.
Precautionary Statements	
Response	Do NOT induce vomiting. Get medical advice/attention if you feel unwell. If exposed or concerned: Get medical advice/attention. If exposed: Call a poison center or doctor. If eye irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. If swallowed: Immediately call a poison center or doctor. In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish. Wash contaminated clothing before reuse.
Prevention	Avoid breathing dust/fume/gas/mist/ vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Do not breathe dust/fume/gas/mist/ vapors/spray. Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood. Ground/bond container and receiving equipment. Keep away from heat. Keep container tightly closed. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash thoroughly after handling. Wear protective gloves. Wear protective gloves/eye protection/face protection Wear protective gloves/protective clothing/eye protection/face protection.
Storage	Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents/container in accordance with applicable local/regional/national/international regulations.
Ingredients of unknown toxicity	8%
Hazards not Otherwise Classified	None known

Section 3. Ingredients

CAS	Ingredient Name	Weight %
108-88-3	Toluene	0.3% - Max
67-56-1	Methyl alcohol	0.4% - Max
25068-38-6	Bisphenol A / Epichlorohydrin Resin	0.5% - Max
68609-36-9	Chlorinated Rubber	1% - 5%
Trade Secret	Acrylate Polymer (NJTSRN 04499600-5984P)	1% - 5%
100-41-4	Ethyl benzene	11% - Max
1330-20-7	Xylene	30% - 35%
141-78-6	Ethyl acetate	4% - Max
110-82-7	Cyclohexane	45% - 50%
64-17-5	Ethanol	5% - 10%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-aid Measures

Eye Contact	Immediately flush with large amounts of water. If irritation occurs, seek medical attention.
Skin Contact	Remove contaminated clothing and shoes. Immediately flush skin with large amount of water. Get medical attention. Launder contaminated clothing and clean shoes before reuse.
Inhalation	Remove to fresh air. If symptoms persist, obtain appropriate medical attention.
Ingestion	Do not induce vomiting. Immediately drink two glasses of water. Never give anything to an unconscious person. Get medical attention.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	N/A
Unsuitable Extinguishing Media	N/A
OSHA Flammability Classification	Class IB Flammable Liquid
Extinguishing Media	Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).
Special Fire Fighting Procedures	Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).
Unusual Fire and Explosion Hazards	Flammable liquid and vapor. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

Section 6. Accidental Release Measures

Personal precautions. protective equipment and emergency procedures	Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard.
Environmental precautions	Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.
Clean-up Methods	Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Contain spill. Cover spill area with a fire-extinguishing foam designed for use on solvents, such as alcohols and acetone, that can dissolve in water. An AR - AFFF type foam is recommended. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible using non-sparking tools. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS. Seal the container.
Note	In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state and federal regulations.

Section 7. Handling and Storage

Handling	Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. Ground containers securely when transferring contents. Wear low static or properly grounded shoes. Avoid breathing of vapors, mists or spray. Avoid static discharge. Avoid eye contact with vapors, mists, or spray. For industrial or professional use only. Avoid contact with oxidizing agents. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment.
Storage	Store away from acids. Store away from heat. Store out of direct sunlight. Keep container in well-ventilated area. Keep container tightly closed. Store away from areas where product may come into contact with food or pharmaceuticals. Store away from oxidizing agents.

Section 8. Exposure Controls / Personal Protecction

Occupational Exposure Limits

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
Toluene	100 ppm	100 ppm	150 ppm
Methyl alcohol	N/A	N/A	N/A
Bisphenol A / Epichlorohydrin Resin	100 ppm	100 ppm	125 ppm
Chlorinated Rubber	1000 ppm	1000 ppm	150 ppm
Acrylate Polymer (NJTSRN 04499600-5984P)	N/A	N/A	N/A
Ethyl benzene	400 ppm	400 ppm	N/A
Xylene	N/A	N/A	N/A
Ethyl acetate	200 ppm	200 ppm	250 ppm
Cyclohexane	50 ppm skin	100 ppm skin	150 ppm skin
Ethanol	N/A	N/A	N/A

Personal Protective Equipment
N/A

Engineering Controls
Use in a well-ventilated area.

Eye/Face Protection
Avoid eye contact with vapors, mists, or spray. The following eye protection(s) are recommended: Safety Glasses with side shields

Skin Protection
Avoid skin contact. Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials. Gloves made from the following material(s) are recommended: Fluoroelastomer Polymer laminate

Respiratory Protection
Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection. Avoid breathing of vapors, mists or spray.

Prevention of Swallowing
Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Do not ingest.

Exposure Guidelines
CYCLOHEXANE ACGIH TWA 100 ppm CYCLOHEXANE OSHA TWA 1050 mg/m3 ETHYL ACETATE ACGIH TWA 400 ppm ETHYL ACETATE OSHA TWA 1400 mg/m3 ETHYL ALCOHOL ACGIH STEL 1000 ppm ETHYL ALCOHOL OSHA TWA 1900 mg/m3 ETHYLBENZENE ACGIH TWA 20 ppm ETHYLBENZENE CMRG TWA 25 ppm ETHYLBENZENE CMRG STEL 75 ppm ETHYLBENZENE OSHA TWA 435 mg/m3 METHYL ALCOHOL ACGIH TWA 200 ppm Skin Notation* METHYL ALCOHOL ACGIH STEL 250 ppm Skin Notation* METHYL ALCOHOL OSHA TWA 260 mg/m3 TOLUENE ACGIH TWA 20 ppm TOLUENE CMRG STEL 75 ppm Skin Notation* TOLUENE OSHA TWA 200 ppm TOLUENE OSHA CEIL 300 ppm XYLENE ACGIH TWA 100 ppm XYLENE ACGIH STEL 150 ppm XYLENE CMRG TWA 50 ppm XYLENE CMRG STEL 75 ppm XYLENE OSHA TWA 435 mg/m3 * Substance(s) refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption. SOURCE OF EXPOSURE LIMIT DATA: ACGIH: American Conference of Governmental Industrial Hygienists CMRG: Chemical Manufacturer Recommended Guideline OSHA: Occupational Safety and Health Administration AIHA: American Industrial Hygiene

Association Workplace Environmental Exposure Level (WEEL)

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Yellow
Odor	Solvent odor
Odor Threshold	N/A
Solubility	10% in water
Partition coefficient Water/n-octanol	N/A
Viscosity	30-40 centipoise
Specific Gravity	0.82
Density lbs/Gal	6.8
Pounds per Cubic Foot	N/A
Flash Point	34F
FP Method	Seta Flash
Ph	Not applicable
Melting Point	N/A
Boiling Point	>= 170F
Boiling Range	N/A
LEL	1
UEL	6
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	430C
Vapor Pressure	122mm Hg @ 20C
Vapor Density	1.7 estimated (Air=1)

NoteThe above information is not intended for use in preparing product specifications. Contact Accumetric LLC before writing specifications.

Section 10. Stability and Reactivity

Chemical Stability	Stable
Conditions to Avoid	Heat Sparks and/or flames
Materials to Avoid	Strong acids Strong oxidizing agents
Hazardous Polymerization	Will not occur
Hazardous Decomposition or By-Products	Substance Condition Aldehydes During Combustion Carbon monoxide During Combustion Carbon dioxide During Combustion Hydrogen Chloride During Combustion

Section 11. Toxicological Information

Target Organ Effects	Auditory Effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears. Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness. Prolonged or repeated exposure may cause: Kidney/Bladder Effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination. Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice. Neurological Effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and/or changes in blood pressure and heart rate. Contains a chemical or chemicals which can cause birth defects or other reproductive harm.
Carcinogenicity	NOTE: This product contains ethanol. Alcoholic beverages and ethanol in alcoholic beverages have been classified as human carcinogens by the International Agency for Research on Cancer, the U.S. National Toxicology Program, and the California Environmental Protection Agency (for purposes of Proposition 65). Exposure to ethanol during the foreseeable use of this product is not expected to cause cancer. Contains a chemical or chemicals which can cause cancer. Ingredient: ETHYLBENZENE CAS Number: 100-41-4 Class Description: Grp. 2B: Possible human carc. Regulation: International Agency for Research on Cancer

Section 12. Ecological Information

Ecotoxicological Information	Not determined
Chemical Fate Information	Not determined

Section 13. Disposal

Waste Diposal Method	Incinerate in a permitted hazardous waste incinerator. Combustion products will include HCl. Facility must be capable of handling halogenated materials. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.
EPA Hazardous Waste Number (RCRA)	D001 (Ignitable)

Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	N/A
DOT Classification	N/A
Packing Group	N/A

Not regulated per U.S. DOT, IATA or IMO. These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. Transportation classifications are based on product formulation, packaging, and our understanding of applicable current regulations. We does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original package is certified for U.S. ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

Section 15. Regulatory Information

	The contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.
311/312 Hazard Categories	Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes
Section 313 Toxic Chemicals and 40 CFR part 372 (EPCRA)	Ingredient C.A.S. No % by Wt CYCLOHEXANE 110-82-7 45 - 50 XYLENE 1330-20-7 30 - 35 ETHYLBENZENE 100-41-4 < 11
California Proposition 65	ETHYLBENZENE (100-41-4) **Carcinogen METHYL ALCOHOL (67-56-1) *Developmental Toxin TOLUENE (108-88-3) *Developmental Toxin TOLUENE (108-88-3) *Female reproductive toxin * WARNING: contains a chemical or chemicals which can cause birth defects or other reproductive harm. ** WARNING: contains a chemical which can cause cancer.
Chemcial Inventories	The components of this product are in compliance with the chemical notification requirements of TSCA.

Section 16. Other Information

Revision Date	2/11/2015
Disclaimer	The data contained herein is based upon information that Accumetric LLC believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.