Safety Data Sheet

Section 1. Identification

Product Identification and Item Numbers:	Delasco Pressure Sensitive Adhesive (DPSA/2, DPSA/4)
Product Description:	Acrylic Copolymer. Pressure sensitive adhesive.
Recommended use and restrictions on use:	N/A
Supplier:	Delasco 608 13th Avenue Council Bluffs, IA 51501 1-712-323-3269 www.delasco.com questions@delasco.com
In Case of Emergency, Contact:	Chemtrec (24 hour) 1-800-424-9300

Section 2. Hazard(s) Identification

Classification:

Flammable Liquid (Category 3)
Eye Irritant (Category 2)
Single Exp. (Category 3)
Skin Irritant. (Category 2)
Asp. Tox. (Category 1)
Reproductive (Category 2)
STOT Rep. Exp. (Category 2)
Aquatic Chronic (Category 2)

Labeling:

Hazard symbol(s):


GHS08: health hazard


GHS02: flame


GHS07: exclamation mark


GHS05: corrosive


GHS09: environment

Signal word: **Danger!**

Hazard statements:

H225: Highly flammable liquid and vapour.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H315: Causes skin irritation.
H304: May be fatal if swallowed and enters airways.
H361: Suspected of damaging fertility or the unborn child
H373: May cause damage to organs
H411: Toxic to aquatic life with long lasting effects.

Precautionary statements:

P102: Keep out of reach of children.
P103: Read label before use.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P241: Use explosion-proof electrical/ventilating/lighting/.../ equipment.
P243: Take precautionary measures against static discharge.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P271: Use only outdoors or in a well-ventilated area.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Section 3. Composition/Information on Ingredients

Chemical Name and Concentration:	Ethyl acetate n-Hexane Ethanol Hexane isomers Vinyl acetate	15-40% w/v 10-30% w/v 1-5% w/v 1-5% w/v 0.1 – 1% w/v
Other Names, Common Names, Synonyms:	N/A	
CAS Number, other unique identifiers:	Mixture: Ethyl acetate n-Hexane Ethanol Hexane isomers Vinyl acetate	CAS# 141-78-6 CAS# 110-54-3 CAS# 64-17-5 Mixture CAS# 108-05-4
Other classified impurities or stabilizers:	N/A	
Other ingredients posing health hazards:	N/A	
Concentration of other hazardous ingredients:	N/A	

Section 4. First-aid Measures

Inhalation exposure:	Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention.
Skin exposure:	Wash skin with soap and water. Remove grossly contaminated clothing, including shoes, and launder before re-use. Discard shoes. If symptoms (irritation or blistering) persist, obtain medical attention.
Eye contact:	Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain immediate medical attention.
Ingestion:	DO NOT induce vomiting. If individual is conscious, give milk or water to dilute stomach contents. Keep warm and quiet. Get prompt medical attention.

Section 5. Fire Fighting Measures

Suitable / unsuitable extinguishing media:	Use CO2; dry chemical; foam; water fog	
Specific hazards / combustion products:	The vapor is heavier than air and may travel a considerable distance to a source of ignition and flashback. Combustion will evolve toxic and irritant vapors. Thermal decomposition may produce carbon monoxide, carbon dioxide, and unidentified organic compounds.	
Special protective equipment and precautions for fire-fighters:	Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Cool exposed equipment with water spray.	
NFPA Hazard Classification	Health – 2 Flammability – 3 Instability – 0	0-Minimal 1-Slight 2-Moderate 3-Serious 4-Severe

Section 6. Accidental Release Measures	
Personal precautions and protective equipment:	**Respiratory Protection** Avoid prolonged or repeated breathing of vapor or mists. If exposure may or does exceed occupational exposure limits, use a NIOSH approved respirator to prevent overexposure. **Eye Protection** Goggles **Skin Protection** Impervious neoprene or rubber gloves are recommended. Standard industrial hygiene procedures should be practiced. Remove contaminated clothing and launder before reuse. Discard shoes, belts, wallets, and any other contaminated leather items.
Environmental Precautions:	• Stop leak if you can do it without risk. • Prevent entry into drains, waterways, sewers, basements or confined areas.
Containment / clean up methods:	Shut off ignition sources. Stop leak if you can do it without risk. For small spills, take up with sand or other absorbent material. For larger spills, dike far ahead of spill for later disposal. No smoking, flames or flares in hazard area! Keep unnecessary people away.

Section 7. Handling and Storage	
Precautions for safe handling:	Wear appropriate personal protective equipment. Ensure adequate ventilation.
Conditions for safe storage:	Store at room temperature. Store in a cool, dry place away from heat, sparks or fire.
Incompatibilities to avoid:	Sensitive to static electricity.

Section 8. Exposure Controls and Personal Protection	
OSHA Permissible Exposure Limit (PEL):	**OSHA** Ethyl Acetate: 400 ppm TWA; 1400 mg/m3 TWA n-Hexane: 500 ppm TWA; 1800 mg/m3 TWA Ethanol: 1000 ppm TWA; 1900 mg/m3 TWA Vinyl Acetate: N/A
Threshold Limit Value (TLV):	N/A
Other exposure limits:	**ACGIH** Acetate: 400 ppm TWA n-Hexane: Skin – potential significant contribution to overall exposure by the cutaneous route 50 ppm TWA Ethanol: 1000 ppm TWA Vinyl Acetate: 15 ppm STEL 10 ppm TWA
Engineering controls:	Use local exhaust ventilation, fume hood or other means of explosion-proof ventilation.

Personal protective equipment:	**Respiratory Protection** Avoid prolonged or repeated breathing of vapor or mists. If exposure may or does exceed occupational exposure limits, use a NIOSH approved respirator to prevent overexposure. **Eye Protection** Goggles **Skin Protection** Impervious neoprene or rubber gloves are recommended. Standard industrial hygiene procedures should be practiced. Remove contaminated clothing and launder before reuse. Discard shoes, belts, wallets, and any other contaminated leather items.
Other personal protection measures:	Provide nearby eyewash station and safety shower. Wash before eating, drinking, or using toilet facilities.

Section 9. Physical and Chemical Properties

Appearance (physical state, color, etc.):	Yellowish liquid.
Odor:	Hydrocarbon.
Odor threshold:	Data not available
pH:	Data not available
Melting point / freezing point:	Data not available
Initial boiling point and boiling range:	Boiling point is 130°F, or 54°C
Flash point:	<20°F
Evaporation rate:	>1
Flammability	Data not available
Upper / lower flammability or explosive limits:	Data not available
Vapor Pressure:	Data not available
Vapor density:	Data not available
Relative density:	Data not available
Solubility:	Slightly soluble in water.
Partition coefficient: n-octanol/water:	Data not available
Auto-ignition temperature:	Data not available
Decomposition temperature:	Data not available
Viscosity:	Data not available

Section 10. Stability and Reactivity

Chemical stability:	The product is stable.
Possibility of hazardous reactions:	Data not available
Conditions to avoid (static, shock, vibration…)	Strong oxidizers, acids, bases.
Incompatible materials:	Strong oxidizers, acids, bases.
Hazardous decomposition products:	Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.

Section 11. Toxicological Information

Routes of exposure: Ingestion, inhalation, skin and/or eye contact.

Acute Symptoms (acute): N/A

Chronic (long term) effects of exposure:

COMPONENT	ORAL TOXICITY	NOTES
Ethyl Acetate	Oral LD50: Rabbit = 4935 mg/kg Oral LD50: Guinea Pig = 5500 mg/kg Oral LD50: Mouse = 4100 mg/kg Oral LD50: Rat = 5620 mg/kg	Irritant and may cause nausea and vomiting.
n-Hexane	Oral LD50: Rat = 28710 mg/kg	Low oral toxicity. Aspiration of the product into the lungs following ingestion may cause pulmonary injury leading to pneumonitis.
Ethanol	Oral LD50: Dog = 5500 mg/kg Oral LD50: Mouse = 3450 mg/kg Oral LD50: Rat = 7060 mg/kg	Moderately toxic.
Vinyl Acetate	Oral LD50: Mouse = 1600 mg/kg Oral LD50: Rat = 2920 mg/kg	May cause irritation of mouth, throat and digestive tract and depression of the central nervous system. May cause nausea, vomiting and diarrhea.

COMPONENT	DERMAL TOXICITY	NOTES
Ethyl Acetate	Dermal LD50: Rabbit > 20 ml/kg	Irritating to skin. Repeated or prolonged contact may cause defatting of the skin resulting in dryness, cracking and dermatitis. May be absorbed through the skin.
n-Hexane		Repeated and/or prolonged contact may cause irritation and skin sensitization. Can be rapidly absorbed through skin.
Ethanol	Dermal LD50: Rat > 20,000 mg/kg	Repeated or prolonged skin contact may result in moderate irritation. Repeated contact may cause skin dryness, cracking and dermatitis.
Vinyl Acetate	Dermal LD50: Rabbit > 2335 mg/kg	Repeated and/or prolonged contact may cause skin sensitatzation. Irritating to the skin. Repeated or prolonged contact may cause defatting of the skin resulting in dryness, cracking and dermatitis.

	COMPONENT	**INHALATION TOXICITY**	**NOTES**
	Ethyl Acetate	Inhalation LC50: Rat = 200 g/m3 Inhalation LC50 (2hr): Mouse = 45 g/m3	Respiratory irritant. Moderately toxic. The vapor has anesthetic properties and when inhaled at concentrations above the occupational exposure limit, it may cause respiratory irritation, headache, fatigue, dizziness and incoordination.
	n-Hexane		Vapors and/or aerosols may cause irritation. Avoid breathing vapors or mists. The vapor has anesthetic properties and when inhaled at concentrations above the occupational exposure limit, it may cause respiratory irritation, headache, fatigue, dizziness and incoordination.
	Ethanol	Inhalation LC50 (10hr): Rat = 20,000 ppm	The vapor has anesthetic properties and when inhaled at concentrations above the occupational exposure limit, it may cause respiratory irritation, headache, fatigue, dizziness and incoordination.
	Vinyl Acetate	Inhalation LC50 (4hr): Rabbit = 2500 ppm Inhalation LC50 (4hr): Rat = 4000 ppm	Vapors may cause drowsiness and dizziness. Respiratory irritant. Aspiration of the product into the lungs following ingestion may cause pulmonary injury leading to pneumonitis.
	COMPONENT	**EYE IRRITATION**	**NOTES**
	Ethyl acetate		Will cause eye irritation.
	n-Hexane		Slight/mild irritant.
	Ethanol		Will cause eye irritation. May cause permanent damage if eye is not immediately irrigated.
	Vinyl acetate		Causes severe eye irritation.
Numerical measures of toxicity (e.g., acute toxicity estimates):	**Toxicity** – Product contains residual vinyl acetate, an IARC 2B possible human carcinogen. Vinyl acetate vapors have been shown to cause tumors in the respiratory tract of lab animals exposed to 600ppm over a lifetime; 200ppm causes irritation; 50ppm produces no observable effect. There is no evidence of adverse effects to humans exposed to levels at or below the ACGIH TLV.		
NTP carcinogen:	Vinyl acetate – No		
EPA carcinogen:	N/A		
ACGIH carcinogen:	N/A		
IARC potential carcinogen:	Vinyl acetate – Yes (group 2B)		
OSHA carcinogen:	Vinyl acetate – Not listed		

Section 12. Ecological Information (Non-mandatory)	
Ecotoxicity (aquatic and terrestrial, where available):	Not available
Persistence and degradability:	Not available
Bioaccumulative potential:	Not available
Mobility in soil:	Not available
Other adverse effects:	Not available

Section 13. Disposal Considerations (Non-mandatory)	
Safe methods of disposal:	Not available

Section 14. Transport Information (Non-mandatory)						
US DOT	UN number:	UN1133	Class:	3	Packing Group:	II
UN proper shipping name:			Adhesive			
Packing group, if applicable:			II			
Environmental hazards (marine pollutant, etc…)			Not available			
Special transport precautions:			N/A			

Section 15. Regulatory Information (Non-mandatory)	
Specific safety, health, and environmental regulations:	N/A

Section 16. Other information	
Date of preparation or last revision:	September 18, 2018