

**SECTION 1 – Identification of the Substance/Mixture and of the Company/Undertaking****1.1 Product identifiers**

<b>Product Name:</b>	<b>STYSOLAC AW</b>
<b>Product Class:</b>	Plasticizer
<b>Manufacturer's I.D.</b>	Stysolac AW
<b>CAS Number:</b>	37281-57-5
<b>Index Number:</b>	N/A

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

<b>Identified Uses:</b>	Ingredient in inks, adhesives, films, nylon, lacquers, and coatings. For industrial use only.
<b>Uses Advised Against:</b>	N/A

**1.3 Details of the Supplier of the safety data sheet**

<b>Company:</b>	Kane International Corporation 411 Theodore Fremd Avenue Rye, NY 10580
<b>Phone:</b>	(914) 921-3100

**1.4 Emergency telephone number**

For Emergencies Involving a Spill, Leak, Fire, Exposure, or Accident	
<b>Contact CHEMTREC</b>	<b>(800) 424-9300</b>

**SECTION 2 – Hazards Identification****2.1 Classification of the Substance or Mixture**

**Overexposure targets the following organs:** Eyes, skin

**Classification according to OSHA 29 CFR 1910.1200 and Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

Eye irritation (Category 2B)

Acute toxicity (Category 4)

**See Sections 15.3 and 15.4 for additional comments concerning the classification of this product.**

**2.2 Label Elements**

**GHS Label Elements, including precautionary statements:**

**Pictogram**



**Signal Word**

Warning

**Hazard Statement(s)**

H320 Causes eye irritation.

H302 Harmful if swallowed.

**Precautionary Statement(s)**

P281 Use personal protective equipment as required.

P270 Do not eat, drink or smoke when using this product.

P264 Wash hands thoroughly after handling.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P337 + P313 If eye irritation persists get medical advice/attention.

P301 + P330 + P312 IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

P501 Dispose of contents/container to an approved hazardous waste or special waste disposal facility.

**Supplemental Hazard Information (EU)**

None

**2.3 Other Hazards**

May cause slight skin irritation.

**SECTION 3 – Composition / Information on Ingredients****3.1 Substances****Formula:** Mixture, proprietary**Molecular Weight:** Approximately 194-202.6**3.2 Mixtures****Description of the mixture:**

Ethoxylated cresol

**Summary of Information Included:**

All hazardous constituents with a concentration of 1% or greater, or 0.1% or greater if the constituent is a PBT/vPvB substance or otherwise required by the OSHA Hazard Communication Standard, are listed in Section 3.2.1 below. Other (non-hazardous) ingredients are listed in Section 3.2.2 for the purpose of accounting for 100% of the mixture. This is the only section of the SDS that lists non-hazardous constituents.

Information listed as “proprietary” is being withheld as a trade secret or confidential business information. Regardless, the properties and effects of all known hazardous ingredients are included as applicable in each section of this Safety Data Sheet.

The classification hazard(s) of each of the hazardous ingredients is provided in Section 3.2.3, along with the reason(s) for listing the chemical as hazardous. Refer to Sections 15.3 and 15.4 for additional information concerning any pending registrations or the justification for the classification.

**3.2.1 Hazardous Ingredients**

<u>Ingredient</u>	<u>CAS #</u>	<u>EC #</u>	<u>Index #</u>	<u>Wt %</u>	<u>Synonyms</u>
PEG-2 Cresylic Ether	37281-57-5	Not available	--	> = 95%	Ethoxylated cresol

**3.2.2 Other (Non-Hazardous) Ingredients**

<u>Ingredient</u>	<u>CAS #</u>	<u>EC #</u>	<u>Index #</u>	<u>Wt %</u>	<u>Synonyms</u>
Not applicable					

**3.2.3 Classification \***

<u>Ingredient</u>	<u>CAS #</u>	<u>Reason Listed</u>	<u>Classification per Regulation (EC) No. 1272/2008 (CLP)</u>
PEG-2 Cresylic Ether	37281-57-5	1	H302 (4); H312 (4); H315 (2); H319 (2A)

- 1 Substance is classified with a health or environmental hazard
- 2 Substance has a workplace exposure limit
- 3 Substance meets the criteria for PBT per Regulation (EC) No. 1907/2006, Annex XIII
- 4 Substance meets the criteria for vPvB per Regulation (EC) No. 1907/2006, Annex XIII

\* See Sections 15.3 and 15.4 for a discussion of the classification determination and European Union requirements.

**SECTION 4 – First Aid Measures****4.1 Description of first aid measures**

**Inhalation Overexposure:** Remove to fresh air. Get medical attention if irritation develops or persists.

**Eye Contact:** Cautiously flush with water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if irritation develops or persists.

**Skin Contact:** Wash affected skin with mild soap and water, followed by a warm water rinse. Remove and wash contaminated clothing.

**Ingestion:** Have victim rinse mouth out with water. Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Get immediate medical attention if anything more than a small amount is ingested or if you feel

unwell.

If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

#### 4.2 Most important symptoms and effects, both acute and delayed

Eye irritation

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available on other exposure. Treat symptomatically.

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### SECTION 5 – Firefighting Measures

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#### 5.1 Extinguishing Media

##### Suitable Extinguishing Media:

Use foam, dry powder, carbon dioxide, water spray, or sand.

Do not use a heavy water stream.

#### 5.2 Special hazards arising from the substance or mixture

Sealed containers may rupture when exposed to fire due to build-up of pressure.

#### 5.3 Advice for firefighters

##### Special Fire Fighting Procedures:

Use water to cool fire-exposed structures and containers. Prevent contaminated water from entering the environment.

##### Special Protective Equipment

Fire fighters should wear self-contained breathing apparatus and complete personal protective equipment operated in a pressure demand or other positive pressure mode.

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### SECTION 6 – Accidental Release Measures

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#### 6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing to prevent eye contact and to avoid unnecessary skin contact.

#### 6.2 Environmental precautions

Prevent runoff from entering drains, sewers, streams or other waterways.

#### 6.3 Methods and material for containment and cleaning up

Ventilate the spill area. Dike spill area, soak up with a non-combustible absorbent material, and place in a closed container.

##### Notification and reporting

Spills or releases to the environment may be reportable. See Section 15 for United States federal reporting requirements. For all other locations, consult appropriate regulations to determine possible reporting requirements prior to using this product.

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### SECTION 7 – Handling and Storage

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#### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and whenever leaving the work area. Use in cool, well-ventilated area.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool location. Recommended storage temperature is between 5 – 30 °C (41 – 95 °F). Keep away from excessive heat and open flames. Keep container closed when not in use.

#### 7.3 Specific end uses

Ingredient in inks, adhesives, films, nylon, lacquers, and coatings.

## SECTION 8 – Exposure controls / personal protection

### 8.1 Control parameters

Hazardous Ingredients			Workplace Control Parameters <sup>1</sup>			
<u>Ingredient</u>	<u>CAS #</u>	<u>Wt %</u>	<u>OSHA PEL</u>	<u>OSHA STEL</u>	<u>ACGIH TWA</u>	<u>ACGIH STEL</u>
PEG-2 Cresylic Ether	37281-57-5	> = 95%	N/A	N/A	N/A	N/A

<sup>1</sup> Workplace control parameters may vary. Please consult the listing for the country where this product will be used to determine the relevant exposure limits.

“N/A” = Information is Not Available

“C” = Ceiling limit value

### 8.2 Exposure Controls

#### Appropriate engineering controls

Use local exhaust if necessary to maintain concentrations well below exposure limits. Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the work day.

#### Personal protective equipment

**Eye Protection:** Chemical goggles or safety glasses with protective shields..

**Skin (Hand) Protection:** For operations where contact can occur, wear impervious gloves to avoid unnecessary skin contact. Review published literature and glove manufacturer data to determine suitable gloves. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for anticipated use conditions.

**Skin (Body) Protection:** Wear impervious clothing as necessary to prevent unnecessary skin contact.

**Respiratory Protection:** Not required under normal circumstances. If necessary, wear an appropriate respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Other Protective Equipment:** For operations where contact can occur, a safety shower and eye wash facility should be available.

## SECTION 9 – Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical State:** Liquid

**Form:** Oily liquid

**Color:** Colorless to amber

**Odor:** No data available

**Odor Threshold:** Not determined

**pH:** 5.5 - 7

**Melting Point:** No data available

**Boiling Range:** > 150°C (302°F)

**Flash Point:** >94°C (201°F)

**Autoignition Temperature:** No data available

**Decomposition Temperature:** No data available

**Lower Explosion Limit (LEL):** No data available

**Upper Explosion Limit (LEL):** No data available

**Vapor Pressure at 20 °C:** < 0.1 mm Hg @ 25 °C

**Vapor Density:** No data available

**Density (Specific Gravity):** 8.09 ± 0.15 lbs/gallon (0.97 g/mL)

**Solubility:** Miscible with Alcohols, Ketones, Esters, Chlorinated Solvents, and Aromatic Solvents. Partly miscible with Aliphatic Petroleum Hydrocarbons; Water (although non dispersible in plain water and non-hygroscopic, it is readily dispersible in aqueous resin solutions or dispersions; also improves compatibility between resins where it acts as a

mutual plasticizer). Dispersible in water.

**Partition Coefficient (n-octanol / water):** No data available

**Dynamic Viscosity:** No data available.

**Kinematic Viscosity:** No data available

**Explosive Properties:** No data available

**Oxidizing Properties:** No data available

**Other Information**

**Evaporation Rate:** No data available

**Percent Volatile by Weight:** ~0%

**VOC:** Not applicable

**9.2 Other safety information**

No data available

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## SECTION 10 – Stability and reactivity

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**10.1 Reactivity:** None known

**10.2 Chemical stability:** Stable

**10.3 Possibility of hazardous reactions:** Hazardous polymerization will not occur

**10.4 Conditions to avoid:** Exposure to direct sunlight or extremely high or low temperatures.

**10.5 Incompatible materials:** Strong acids or bases.

**10.6 Hazardous decomposition products:** Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

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## SECTION 11 – Toxicological information

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**11.1 Information on toxicological effects**

**ACUTE TOXICITY:**

This product has not been tested for acute or chronic toxicological effects. The toxicological information presented below is for the product components:

**ACUTE TOXICITY:**

**PEG-2 Cresylic Ether, CAS# 108-65-6**

ATE (Oral)  
500 mg/kg

ATE (Dermal)  
1,100 mg/kg

**EFFECTS OF OVEREXPOSURE**

**Inhalation:** Not expected to occur under normal circumstances. Vapors generated in the event of a fire or aerosol are anticipated to cause respiratory irritation may occur.

**Skin Contact:** Contact causes minor to moderate skin irritation.

**Eye Contact:** Eye contact can cause mild to moderate irritation, redness or swelling.

**Ingestion:** The oral toxicity of this product is expected to be low. Product is irritating or harmful if swallowed.

**Medical Conditions Prone To Aggravation By Exposure:** Not applicable.

**Primary Routes of Entry:** Eye contact; skin contact.

**Carcinogenicity: NTP (Known):** No; **NTP (Anticipated):** No; **IARC Category:** No; **OSHA:** N/A

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## SECTION 12 – Ecological information

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**12.1 Toxicity**

No information is available concerning ecological data for this product.

**12.2 Information on toxicological effects:** No data available

**12.3 Bioaccumulative potential:** No data available



- 12.4 **Mobility in soil:** No data available
- 12.5 **Results of PBT and vPvB assessment:** No data available
- 12.6 **Other adverse effects:** No data available.

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## SECTION 13 – Disposal considerations

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### 13.1 Waste treatment methods

#### General information

Dispose of according to all applicable local, regional and national laws or regulations. Use appropriately licensed disposal services to manage waste or unused product.

#### RCRA (United States) INFORMATION:

Since this product is not sold as waste, we have not tested it as a waste. Based on our knowledge of the product, its raw materials and processes employed during its manufacture, we believe that this product would not be considered to be a RCRA waste. We recommend that you carry out your own tests and evaluations prior to discarding any materials and that any waste is disposed of in accordance with all applicable federal, state or provincial, and local regulations

#### European Waste Codes:

Since this product is not sold as waste, we have not tested it as a waste. We recommend that you carry out your own tests and evaluations prior to discarding any materials and that any waste is disposed of in accordance with all applicable national, state or provincial, and local regulations

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## SECTION 14 – Transportation information (*not meant to be all inclusive*)

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Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult the appropriate regulation(s) for information specific to the shipment to be made.

### US Department of Transportation (DOT)

DOT Shipping Name: Not regulated  
DOT Hazard Class: N/A  
DOT UN/NA Number: N/A  
DOT Label(s): None  
Packing Group: N/A

### Transport Canada Transportation of Dangerous Goods (TDG)

Shipping Name and Description: Not regulated  
UN Number: N/A  
Class: N/A  
Packing Group: N/A

### IATA

Shipping Name and Description: Not regulated  
UN Number: N/A  
Class: N/A  
Packing Group: N/A  
Subrisk: N/A  
Inhalation Packing Group I: No

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## SECTION 15 – Regulatory information (*not meant to be all inclusive*)

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### 15.1 UNITED STATES

**TSCA [Toxic Substances Control Act]:** This product complies with all TSCA inventory requirements.

**SARA Section 313:** *This product contains the following chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Response Act of 1986 and of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.*

<u>Component</u>	<u>CAS#</u>	<u>Wt %</u>
No regulated components		

#### **SARA Section 311 and 312:**

*SARA Section 311 and 312 hazard classification(s) for this product are listed below.*  
Immediate (acute) health hazard



**SARA Section 302 and 304:**

This product contains the following Extremely Hazardous Substances (EHS) subject to the emergency planning and release reporting requirements of Sections 302 and 304 of the Emergency Planning and Community Response Act of 1986 and of 40 CFR 355:

No listed chemicals

**CERCLA Information: Releases to air, land, or water which exceed the reportable quantity must be reported to the National Response Center (800-424-8802).**

This product contains the following chemical(s) subject to CERCLA reporting requirements:

<u>Component</u>	<u>CAS#</u>	<u>RQ</u>	<u>Wt %</u>
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No listed components

**CALIFORNIA PROP - 65**

This product contains, or may contain, trace quantities of ingredient(s) known to the state of California to cause cancer, birth defects or other reproductive harm:

**Additional Right-To-Know Composition Information**

This product contains the following ingredients which appear on other hazardous substance or ingredient disclosure lists.

<u>Component</u>	<u>CAS#</u>	<u>Wt %</u>	<u>Lists</u>
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None known to be present

**CN**=Canadian Ingredient Disclosure List    **MA1**=Massachusetts Hazardous Substances List    **MA2**=Massachusetts Extraordinary Hazardous Substances List    **NJ1**=New Jersey Workplace Hazardous Substances List    **NJ2**=New Jersey Special Health Hazards List (NJ2 Category)    **NL**=Not listed, Concentration Based Disclosure    **PA1**=Pennsylvania Hazardous Substances List    **PA2**=Pennsylvania Special Hazardous Substances List

**15.2 CANADA**

**WHMIS:** This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

**Domestic Substances List (DSL) Status:** All components of this product are included on the Canadian DSL or NDSL lists.

**15.3 EUROPEAN UNION**

This safety datasheet has been prepared according to the requirements of Regulation (EC) No. 1907/2006 and 1272/2008. All of the constituents of this preparation are registered in the EINECS inventory or in the ELINCS list or are exempt from listing.

**15.4 EVALUATION OF HAZARDS****Procedure used to derive the classification:**

The known data for the for the hazardous constituents listed in Section 3 was evaluated to classify the product in accordance with the methods in 29 CFR 1910.1200, Appendices A and B and CLP Annex I, Part 3 and Part 4.

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**SECTION 16 – Other information**

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**Additional Hazard Classifications:****HMIS CLASSIFICATION**

Health hazard	2
Flammability	1
Physical hazard	0
Protective equipment	B

**NFPA RATING**

Health hazard	2
Fire	1
Reactivity hazard	0

**Date Issued:** 07/15/2015

**Supersedes:** 11/2011

**Disclaimer:**

To the best of our knowledge the information contained herein is accurate. However no liability is assumed for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein we cannot guarantee that these are the only hazards that exist.