1. Identification

1.1. Product identifier
Product Identity: 1409 GEL INSTANT ADHESIVE
Alternate Names: Part No.: 14095, 14090

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended use: Cyanoacrylate adhesive product.
Application Method: See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet
Company Name: SUR-LOK Corporation
Walworth WI 53147

Emergency
CHEMTREC (USA) (800) 424-9300
24 hour Emergency Telephone No. (703) 527-3887
Customer Service: SUR-LOK Corporation (888) 784-7711

2. Hazard(s) identification

2.1. Classification of the substance or mixture
Combustible Liquid; H227 Combustible Liquid.
Skin Irrit. 2; H315 Causes skin irritation.
Eye Irrit. 2; H319 Causes serious eye irritation.
STOT SE 3; H335 May cause respiratory irritation.

2.2. Label elements

Warning
H227 Combustible liquid.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

[Prevention]:
P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P235 Keep cool.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P280 Wear protective gloves / eye protection / face protection.

[Response]:
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P321 Specific treatment (see information on this label).
P332+313 If skin irritation occurs: Get medical advice / attention.
P337+313 If eye irritation persists: Get medical advice / attention.
P362 Take off contaminated clothing and wash before reuse.
P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

[Storage]:
P403+233 Store in a well ventilated place. Keep container tightly closed.
P405 Store locked up.

[Disposal]:
P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
<th>GHS Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl 2-cyanoacrylate</td>
<td>75 - 100</td>
<td>Eye Irrit. 2:H319</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 0007085-85-0</td>
<td></td>
<td>STOT SE 3:H335</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Skin Irrit. 2:H315</td>
<td></td>
</tr>
<tr>
<td>Methyl methacrylate polymer</td>
<td>10 - 25</td>
<td>Not Classified</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 0009011-14-7</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.
[1] Substance classified with a health or environmental hazard.
*The full texts of the phrases are shown in Section 16.

Section 4. First aid measures

4.1. Description of first aid measures

General  In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation  Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes  Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin
Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion
If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

Overview
SIGNS AND SYMPTOMS OF OVEREXPOSURE:
EYES: Causes serious eye irritation. Will bond eyelids. Will cause excessive tearing.
SKIN: Bonds skin in seconds. May cause skin irritation. May cause sensitization by skin contact. Cyanoacrylates generate heat on polymerization, so very large amounts will burn the skin.
INGESTION: Adhesive becomes solid in contact with saliva and may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days. Not a toxic product.
INHALATION: Prolonged or excessive inhalation may cause respiratory tract irritation.
ACUTE TOXICITY: Avoid exposure to vapor concentration in confined areas.
CHRONIC EFFECTS: Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).
Treat symptomatically. See section 2 for further details.

Inhalation
May cause respiratory irritation.

Eyes
Causes serious eye irritation.

Skin
Causes skin irritation.

Section 5. Fire-fighting measures

5.1. Extinguishing media
Use dry chemical extinguisher or flush with large amounts of water.

5.2. Special hazards arising from the substance or mixture
Hazardous decomposition: Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition. Oxides of nitrogen and probably hydrogen cyanide are also possible.
Keep away from heat / sparks / open flames / hot surfaces - No smoking.
Keep cool.
Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters
As in any fire, wear self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

ERG Guide No. ---
Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions
Do not allow spills to enter drains or waterways.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up
SMALL SPILL: Polymerize with water. Solid material may be scraped from surface.
LARGE SPILL: Polymerize with water. Increase ventilation to area. Solid material may be scraped from surface.

Section 7. Handling and storage

7.1. Precautions for safe handling
Handle containers carefully to prevent damage and spillage.
Avoid breathing (dust, vapor, mist, gas). Avoid contact with skin, eyes and clothing. Keep container closed when not in use.
See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities
Store in a cool place in original container and protect from sunlight. Keep away from sources of ignition. Ideal storage: 41-50F. Do not store with food products.
Incompatible materials: Polymerized by water, alcohol, amines, alkaline materials.
See section 2 for further details. - [Storage]:

7.3. Specific end use(s)
No data available.

Section 8. Exposure controls and personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0007085-85-0</td>
<td>Ethyl 2-cyanoacrylate</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TWA: 0.2 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
<tr>
<td>0009011-14-7</td>
<td>Methyl methacrylate polymer</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

Respiratory If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.

Skin Wear PVC or rubber gloves to keep skin contact to a minimum. Refer to the manufacturer's recommendations regarding the suitability of any gloves used.

Engineering Controls Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Transparent, colorless. Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH</td>
<td>No Information available</td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>No Information available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>&gt; 149°C (300°F)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>80°C (176°F) to 93.4°C (200°F) TAG CC</td>
</tr>
<tr>
<td>Evaporation rate (Ether = 1)</td>
<td>No Information available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Lower Explosive Limit: N/A</td>
</tr>
<tr>
<td></td>
<td>Upper Explosive Limit: N/A</td>
</tr>
<tr>
<td>Vapor pressure (Pa)</td>
<td>&lt; 0.2 mm Hg</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No Information available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.08 g/mL at 25°C</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water (Log Kow)</td>
<td>Not Measured</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>485°C (905°F)</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not Measured</td>
</tr>
</tbody>
</table>
Section 10. Stability and reactivity

10.1. Reactivity
Possible polymerization reaction in the presence of water, amines, alkalis and alcohols.

10.2. Chemical stability
Stable under normal circumstances.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid
Avoid temperatures above 176°F (80°C), moisture and alkalines.

10.5. Incompatible materials
Polymerized by water, alcohol, amines, alkaline materials.

10.6. Hazardous decomposition products
Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition. Oxides of nitrogen and probably hydrogen cyanide are also possible.

Section 11. Toxicological information

Acute toxicity
Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50, mg/kg</th>
<th>Skin LD50, mg/kg</th>
<th>Inhalation Vapor LC50, mg/L/4hr</th>
<th>Inhalation Dust/Mist LC50, mg/L/4hr</th>
<th>Inhalation Gas LC50, ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl 2-cyanoacrylate - (7085-85-0)</td>
<td>&gt; 5,000.00, Rat - Category: NA</td>
<td>&gt;2,000.00, Rabbit - Category: 5</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Methyl methacrylate polymer - (9011-14-7)</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Carcinogen Data

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0007085-85-0</td>
<td>Ethyl 2-cyanoacrylate</td>
<td>OSHA</td>
<td>Regulated Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
</tr>
<tr>
<td>0009011-14-7</td>
<td>Methyl methacrylate polymer</td>
<td>OSHA</td>
<td>Regulated Carcinogen: No</td>
</tr>
</tbody>
</table>
Classification | Category | Hazard Description
--- | --- | ---
Acute toxicity (oral) | --- | Not Applicable
Acute toxicity (dermal) | --- | Not Applicable
Acute toxicity (inhalation) | --- | Not Applicable
Skin corrosion/irritation | 2 | Causes skin irritation.
Serious eye damage/irritation | 2 | Causes serious eye irritation.
Respiratory sensitization | --- | Not Applicable
Skin sensitization | --- | Not Applicable
Germ cell mutagenicity | --- | Not Applicable
Carcinogenicity | --- | Not Applicable
Reproductive toxicity | --- | Not Applicable
STOT-single exposure | 3 | May cause respiratory irritation.
STOT-repeated exposure | --- | Not Applicable
Aspiration hazard | --- | Not Applicable

Section 12. Ecological information

12.1. Toxicity
No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>96 hr LC50 fish, mg/l</th>
<th>48 hr EC50 crustacea, mg/l</th>
<th>ErC50 algae, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl 2-cyanoacrylate - (7085-85-0)</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Methyl methacrylate polymer - (9011-14-7)</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
There is no data available on the preparation itself.

12.3. Bioaccumulative potential
Not Measured

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects
No data available.
### Section 13. Disposal considerations

13.1. Waste treatment methods
Observe all federal, state and local regulations when disposing of this substance.

### Section 14. Transport information

<table>
<thead>
<tr>
<th>DOT (Domestic Surface Transportation)</th>
<th>IMO / IMDG (Ocean Transportation)</th>
<th>ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Applicable</td>
<td>Not Regulated</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>Not Regulated</td>
<td>Not Regulated</td>
<td>Not Regulated</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.3. Transport hazard class(es)</th>
<th>DOT Hazard Class: Not Applicable</th>
<th>IMDG: Not Applicable Sub Class: Not Applicable Air Class: Not Applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMDG</td>
<td>Marine Pollutant: No;</td>
<td></td>
</tr>
<tr>
<td>14.6. Special precautions for user</td>
<td>No further information</td>
<td></td>
</tr>
</tbody>
</table>

### Section 15. Regulatory information

<table>
<thead>
<tr>
<th>Regulatory Overview</th>
<th>The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxic Substance Control Act (TSCA)</td>
<td>All components of this material are either listed or exempt from listing on the TSCA Inventory.</td>
</tr>
<tr>
<td>WHMIS 1988 Classification</td>
<td>D2B</td>
</tr>
<tr>
<td>US EPA Tier II Hazards</td>
<td>Fire: No</td>
</tr>
<tr>
<td></td>
<td>Sudden Release of Pressure: No</td>
</tr>
<tr>
<td></td>
<td>Reactive: No</td>
</tr>
<tr>
<td></td>
<td>Immediate (Acute): Yes</td>
</tr>
<tr>
<td></td>
<td>Delayed (Chronic): No</td>
</tr>
</tbody>
</table>

**EPCRA 302 Extremely Hazardous:**
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
EPCRA 313 Toxic Chemicals:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Section 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

The information on this material safety data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user. SUR-LOK Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of SUR-LOK Corporation products.

End of Document