

# Safety Data Sheet



## 1. Identification

**Product Information:** 21900915  
**Family:** 509  
**Product Name:** ADVANCED e-CLEAR 4.1  
**Recommended Use:** Pintura / Recubrimiento  
  
**Supplied by/Manufacturer:** SUR QUIMICA S.A.  
 Calle 38, contiguo al Cementerio La Uruca.  
 San José, Costa Rica, Centroamérica  
 Tel Información: (506) 2211-3700,  
 Fax: (506) 2256-0690  
  
**Emergency Telephone:** CHEMTREC: 1-800-424-9300 (USA)  
 703-527-3887  
  
**Safety Data Sheet Coordinator:** sds@gruposur.com

## 2. Hazards Identification

### GHS Classification

Acute Tox. 3 Inhalation, Eye Dam. 1, Flam. Liq. 3, Repr. 1A, Skin Irrit. 2, Skin Sens. 1, STOT RE 2, STOT SE 3 NE, STOT SE 3 RTI

### Symbol(s) of Product



### Signal Word

Danger

### Possible Hazards

17.3% of the mixture consists of ingredients of unknown acute toxicity

### GHS HAZARD STATEMENTS

Flammable Liquid, category 3	H226	Flammable liquid and vapour.
Skin Irritation, category 2	H315	Causes skin irritation.
Skin Sensitizer, category 1	H317	May cause an allergic skin reaction.
Serious Eye Damage, category 1	H318	Causes serious eye damage.
Acute Toxicity, Inhalation, category 3	H331	Toxic if inhaled.
STOT, single exposure, category 3, RTI	H335	May cause respiratory irritation.
STOT, single exposure, category 3, NE	H336	May cause drowsiness or dizziness.
Reproductive Toxicity, category 1A	H360	May damage fertility or the unborn child.
STOT, repeated exposure, category 2	H373	May cause damage to organs through prolonged or repeated exposure.

### GHS LABEL PRECAUTIONARY STATEMENTS

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a POISON CENTER or doctor/physician.
P311	Call a POISON CENTER or doctor/physician.
P321	Specific treatment (see FIRST AID on this sheet).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use materials indicated in Section 5 to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

**GHS SDS PRECAUTIONARY STATEMENTS**

P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof [electrical/ventilating/lighting/...] equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.

**3. Composition/Information on Ingredients**

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
n-Butyl Acetate	123-86-4	30-40	GHS02-GHS06	H225-315-320-331-336
1-methyl-2-methoxyethyl acetate	108-65-6	10-20	GHS02-GHS05-GHS07-GHS08	H226-315-318-335-360
Xilene	1330-20-7	2.5-10	GHS02-GHS07-GHS08	H225-304-312-315-319-332-335-373
Isobutyl methyl ketone	108-10-1	2.5-10	GHS02-GHS07	H225-319-332-335
Petroleum Hydrocarbon	64742-95-6	2.5-10	GHS02-GHS07-GHS08	H226-304-317-335-336

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

**4. First-aid Measures**

**FIRST AID - INHALATION:** Artificial respiration and/or oxygen may be necessary. Keep the victim calm. Ensure that medical personnel are aware of the materials involved and take precautions to protect themselves. Oxygen or artificial respiration if needed.

If inhaled, remove to fresh air. Give oxygen if necessary. Consult a physician if symptoms persist or exposure is severe.

**FIRST AID - SKIN CONTACT:** Seek medical advice. In case of skin contact, wash immediately with plenty of water for at least 20 minutes. In case of contact, wash skin immediately with soap and water. In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. In case of burns, immediately wash skin with cold water. Seek medical advice. Do not remove clothes stick to the skin. Seek medical advice.

**FIRST AID - EYE CONTACT:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**FIRST AID - INGESTION:** If ingested, do not induce vomiting. If conscious, drink 8-10 oz. of water promptly. Call a physician immediately.

## 5. Fire-fighting Measures

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Heating may cause an explosion. Flammable liquid. Vapors can form an ignitable mixture with air. Vapors can flow along surfaces to a distant ignition source and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). When heated, emits highly irritating and noxious vapors.

**SPECIAL FIREFIGHTING PROCEDURES:** Do not use a solid water stream as it may scatter and spread fire. Move containers from fire area if you can do it without risk. All these products have a very low flash point: Use of water spray when fighting fire may be inefficient. Use a self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive pressure mode. Flammable. Cool fire-exposed containers using water spray. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, Water Fog

## 6. Accidental Release Measures

**ENVIRONMENTAL MEASURES:** Do not allow to enter drains, sewers, or sewers. Inform the authorities in the event of a leak in natural water courses or in the sewage system.

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Keep unauthorized personnel away. Stay upwind, uphill and/or upstream. Water spray can reduce vapours, but may not prevent ignition in enclosed spaces. Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Use clean, non-sparking tools to collect absorbed material. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Use water spray to reduce vapors or divert vapor cloud drift. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Dike to prevent entering any sewer or waterway. Transfer liquid to a holding container. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

## 7. Handling and Storage



**HANDLING:** Handle in accordance with good industrial hygiene and safety practice. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children. Take precautionary measures against static discharges. Hazardous residue may remain in emptied container. Do not reuse empty containers without commercial cleaning or reconditioning.

**STORAGE:** Keep in a dry, cool and well-ventilated place. Once used, the container should be closed and keep in a well ventilated area and in vertical position to prevent losses. Keep containers closed when not in use.

## 8. Exposure Controls/Personal Protection

### Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
n-Butyl Acetate	150 ppm	N.E.	N.E.	N.E.
1-methyl-2-methoxyethyl acetate	50 mg/L	100 mg/L	N.E.	N.E.
Xilene	20 ppm 8h	150 ppm 15 min	100 ppm 8h	N.E.
Isobutyl methyl ketone	20 ppm	75 ppm	N.E.	N.E.
Petroleum Hidrocarbon	25	N.E.	N.E.	N.E.

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation Sk = Skin Sensitizer N.E. = Not Established

### Personal Protection



**RESPIRATORY PROTECTION:** In case of insufficient ventilation, wear suitable respiratory equipment.



**SKIN PROTECTION:** Wear nitrile or neoprene gloves. Gloves should be inspected before use. Use the correct technique to remove the gloves (without touching the exterior surface) to prevent skin contact with the product.



**EYE PROTECTION:** Wear chemical goggles and faceshield (if not wearing a full facepiece respirator). Wear approved eye protection according to applicable governmental regulations.



**OTHER PROTECTIVE EQUIPMENT:** When required, according to the concentration of the product, wear chemical protective clothing with limited thermal protection.



**HYGIENIC PRACTICES:** Wash hands and face before breaks and immediately after handling the product. Contaminated clothing should be changed and washed before reuse. Eating, drinking and smoking in immediate work area should be prohibited.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Líquido	<b>Physical State:</b>	Líquido
<b>Odor:</b>	Característico	<b>Odor Threshold, ppb:</b>	No Information
<b>Density, g/ml:</b>	0.957	<b>pH:</b>	N.A.
<b>Freeze Point, °C:</b>	No Information	<b>Viscosity, cP:</b>	No Information
<b>Solubility in Water:</b>	No	<b>Partition Coefficient, n-octanol/water:</b>	No Information
<b>Decomposition temperature, °C</b>	No Information		
<b>Boiling Range, °C:</b>	79 - 350	<b>Explosive Limits, %:</b>	0.0 - 12.0
<b>Combustibility:</b>	Does not Support Combustion	<b>Flash Point, °C:</b>	31
<b>Evaporation Rate:</b>	No Information	<b>Auto-Ignition Temperature, °C</b>	No Information
<b>Vapor Density:</b>	No Information	<b>Vapor Pressure, mmHg:</b>	No Information

(See "Other information" Section for abbreviation legend)

## 10. Stability and Reactivity

**STABILITY:** Stable under recommended storage conditions.

**CONDITIONS TO AVOID:** Keep away from sources of ignition: heat, flame and sparks.

**INCOMPATIBILITY:** Oxidizing agents, strong acids and strong bases. Keep away from strong oxidizing agents, heat and open flames.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition can lead to release of irritating gases and vapors.

## 11. Toxicological Information



### Practical Experiences

#### INFORMATION ON TOXICOLOGICAL EFFECTS

**Acute Toxicity:** No Information

**Skin corrosion/irritation:** No Information

**Serious eye damage/eye irritation:** No Information

**Respiratory or skin sensitisation:** No Information

**Germ cell mutagenicity:** No Information

**Carcinogenicity:** No Information

**Reproductive toxicity:** No Information

**Specific target organ toxicity - single exposure:** No Information

**Specific target organ toxicity - repeated exposure:** No Information

**Aspiration hazard:** No Information

#### Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50 (mg/kg)</u>	<u>Vapor LC50</u>
123-86-4	n-Butyl Acetate	7400	N.I.	2000
108-65-6	1-methyl-2-methoxyethyl acetate	8532	>2000	10000
1330-20-7	Xilene	4300	N.I.	N.I.
108-10-1	Isobutyl methyl ketone	2080	5990	16.4

N.I. = No Information

**Product's Dermal Toxicity:** 4,911.14 mg/kg

## 12. Ecological Information

**Toxicity:** No Information

**Persistence and Degradability:** No Information

**Bioaccumulative potential:** No Information

**Mobility in the soil:** No Information

**Other adverse effects:** No Information

## 13. Disposal Information

**DISPOSAL METHOD:** Prevent entry into waterways, sewers, basements or confined areas.

## 14. Transport Information

**SPECIAL TRANSPORT PRECAUTIONS:** No Information

#### Sea Transport

**UN Number:** 1263

**IMDG/GGVSee Class:** No Information  
**Packing Group:** III  
**Shipping Name:** Pintura o Material Relacionado a Pintura  
**Marine Pollutant:** No Information  
**Shipping Hazard(Marine Pollutant):** No Information

**Air Transport**

**UN Number:** 1263  
**ICAO/IATA Class:** No Information  
**Packing Group:** III  
**Shipping Name:** Pintura o Material Relacionado a

## 15. Regulatory Information

No information available

## 16. Other Information

**Revision Date:** 02-10-2017 **Supersedes Date:** New MSDS  
**Reason for revision:** No Information  
**Datasheet produced by:** SUR Química S.A.

**Hazardous Material Information System: HMIS**

Health	2	Flammability	3	Reactivity	0	Personal Protection	G	Chronic Hazard	No	Target Organ	N/A
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**National Fire Protection Association: NFPA**

Flammability	3	Health	2	Reactivity	0	Special Hazards	N/A
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**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

H225 Highly flammable liquid and vapour.  
 H226 Flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H312 Harmful in contact with skin.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H320 Causes eye irritation.  
 H331 Toxic if inhaled.  
 H332 Harmful if inhaled.  
 H335 May cause respiratory irritation.  
 H336 May cause drowsiness or dizziness.  
 H360 May damage fertility or the unborn child.  
 H373 May cause damage to organs through prolonged or repeated exposure.

**Icons for GHS Pictograms shown in Section 3 describing each ingredient:**

GHS02



<b>GHS05</b>	
<b>GHS06</b>	
<b>GHS07</b>	
<b>GHS08</b>	

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

No Information