

# Safety Data Sheet



## 1. Identification

**Product Information:** 00407100

**Family:** 511

**Product Name:** TRAFFIC PAINT 407 YELLOW

**Recommended Use:** Painting / Coating

**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 INTERNATIONAL: (506) 2211-3911

**Safety Data Sheet Coordinator:** sds@gruposur.com

## 2. Hazards Identification

### GHS Classification

Aquatic Chronic 2, Carc. 1A, Eye Irrit. 2A, Flam. Liq. 2, Repr. 1A, Skin Irrit. 2, Skin Sens. 1, STOT SE 2

### Symbol(s) of Product



### Signal Word

Danger

### GHS HAZARD STATEMENTS

Flammable Liquid, category 2	H225	Highly flammable liquid and vapour.
Skin Irritation, category 2	H315	Causes skin irritation.
Skin Sensitizer, category 1	H317	May cause an allergic skin reaction.
Eye Irritation, category 2A	H319	Causes serious eye irritation.
Carcinogenicity, category 1A	H350	May cause cancer.
Reproductive Toxicity, category 1A	H360	May damage fertility or the unborn child.
STOT, single exposure, category 2	H371	May cause damage to organs.
Hazardous to the aquatic environment, Chronic, category 2	H411	Toxic to aquatic life with long lasting effects.

### 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.
P233	Keep container tightly closed.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.

P273	Avoid release to the environment.
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].
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+P311	IF exposed or concerned: Call a POISON CENTER/doctor/...
P308+P313	IF exposed or concerned: Get medical advice/attention.
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.
P337+P313	If eye irritation persists: 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.
P391	Collect spillage.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Remove the contents / container according to the General Regulation for the Classification and Management of Hazardous Waste No. 41527-S-MINAE (Applies to Costa Rica). 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.
P270	Do not eat, drink or smoke when using this product.

**3. Composition/Information on Ingredients**

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Toluene	108-88-3	10-20	GHS02-GHS07-GHS08	H225-304-315-319-332-336-361-371
Pigment Lead Chromate	1344-37-2	2.5-10	GHS08-GHS09	H350-360-373-410
Xilene	1330-20-7	2.5-10	GHS07	H303-313-315
Alkyl Quaternary Ammonium Bentonite	68953-58-2	0.1-1.0	No Information	No Information
Methylethyl ketoxime	96-29-7	0.1-1.0	GHS05-GHS07-GHS08	H302-313-317-318-351
2-Ethylhexanoic acid	149-57-5	<0.1	GHS07-GHS08	H303-312-361

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:** Flush eye(s) immediately with plenty of water. 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:** Burns with colorless flame. 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). Runoff to sewer may create fire or explosion hazard. This material increases the risk of fire and may aid combustion. Heating may cause a fire. May re-ignite itself after fire is extinguished. Hazardous decomposition may occur.

**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:** 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 kept in a well ventilated area and in vertical position to prevent losses.

## 8. Exposure Controls/Personal Protection

### Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TL STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Toluene	20 ppm	N.E.	200 ppm	N.E.
Pigment Lead Chromate	0.05 mg/m <sup>3</sup>	N.E.	N.E.	N.E.
Xilene	20 ppm 8h	150 ppm 15 min	100 ppm 8h	N.E.
Alkyl Quaternary Ammonium Bentonite	N.E.	N.E.	N.E.	N.E.
Methylethyl ketoxime	N.E.	N.E.	N.E.	N.E.
2-Ethylhexanoic acid	N.E.	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:** Do not wear leather gloves. 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

Appearance:	Liquid	Physical State:	Liquid
Odor:	Characteristic	Odor Threshold, ppb:	No Information
Density, g/ml:	1.548	pH:	N.A.
Freeze Point, °C:	No Information	Viscosity, cP:	No Information
Solubility in Water:	No	Partition Coefficient, n-octanol/water:	No Information
Decomposition temperature, °C	No Information		
Boiling Range, °C:	80 - 80	Explosive Limits, %:	0.0 - 99.0
Combustibility:	Sin Información	Flash Point, °C:	19
Evaporation Rate:	No Information	Auto-ignition Temperature, °C	No Information
Vapor Density:	No Information	Vapor Pressure, mmHg:	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:** Contains lead-derived compounds: Direct exposure of solid particles of lead can have cardiovascular involvement (blood vessels and heart), can cause weakness in the fingers, wrists or ankles. Exposure to lead also produces a small increase in blood pressure, especially in middle-aged and elderly people and can cause anemia. Exposure to high levels of lead can seriously damage the brain and kidneys of children and adults and cause death.

**Skin corrosion/irritation:** It causes severe burns on the skin. Direct dermal contact for a prolonged period can cause skin damage because it removes the lipids present, causing dryness, cracking and dermatitis; to these effects a break and fall of the exposed skin can follow.

**Serious eye damage/eye irritation:** Causes serious eye injuries. Severely irritating to the eyes. It can cause severe burns to eyes and skin. Adverse symptoms may include pain, tearing and redness.

**Respiratory or skin sensitisation:** No Information

**Germ cell mutagenicity:** No Information

**Carcinogenicity:** Contains lead derivatives: Inorganic compounds containing lead are categorized by IARC into group 2A likely to be carcinogenic in humans.

**Reproductive toxicity:** contains lead derivatives: direct exposure to lead particles can cause alterations in the development of the fetus (effects during periods in which organs develop), in the gastrointestinal system (digestive), hematological system (blood formation), skeletal muscle (muscles and skeleton), neurological (nervous system), ocular (eyes), renal (Urinary system or kidneys) and reproductive (producing children). Exposure to high levels of lead can lead to pregnancy loss. In men, exposure to high levels can alter sperm production

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

**Specific target organ toxicity - repeated exposure:** Contains lead chromate, prolonged exposure of adults can cause a general deterioration of health, negatively affects the nervous system in the result of some tests that measure basic functions.

**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>
108-88-3	Toluene	5580	12196	20
1344-37-2	Pigment Lead Chromate	>5000	>5000	>20
1330-20-7	Xilene	4300	>4200	30
96-29-7	Methylethyl ketoxime	930	2702	N.I.
149-57-5	2-Ethylhexanoic acid	3000	2000	>20

N.I. = No Information

**Toxicidad Dermal del producto:** 84,447.15 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:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Prevent entry into waterways, sewers, basements or confined areas.

## 14. Transport Information

**SPECIAL TRANSPORT PRECAUTIONS:** No Information

### Sea Transport

<b>UN Number:</b>	1263
<b>IMDG/GGVSee Class:</b>	3
<b>Packing Group:</b>	II
<b>Shipping Name:</b>	Pintura o Material Relacionado con Pintura
<b>Marine Pollutant:</b>	No
<b>Shipping Hazard(Marine Pollutant):</b>	No Information

### Air Transport

UN Number: 1263  
 ICAO/IATA Class: 3  
 Packing Group: II  
 Shipping Name: Pintura o Material Relacionado con Pintura

## 15. Regulatory Information

No information available

## 16. Other Information

Revision Date: 27/11/2024 Supersedes Date: 27/11/2024

Reason for revision: Product Composition Changed  
 Substance Hazardous Flag Changed  
 Substance and/or Product Properties Changed in Section(s):  
 03 - Composition/Information on Ingredients  
 09 - Physical & Chemical Information

Datasheet produced by: SUR Química S.A.

### Hazardous Material Information System: HMIS

Health	2	Flammability	3	Reactivity	0	Personal Protection	G	Chronic Hazard	Sí	Target Organ	RIÑÓN ES
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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.  
 H302 Harmful if swallowed.  
 H303 May be harmful if swallowed.  
 H304 May be fatal if swallowed and enters airways.  
 H312 Harmful in contact with skin.  
 H313 May be 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.  
 H332 Harmful if inhaled.  
 H336 May cause drowsiness or dizziness.  
 H350 May cause cancer.  
 H351 Suspected of causing cancer.  
 H360 May damage fertility or the unborn child.  
 H361 Suspected of damaging fertility or the unborn child.  
 H371 May cause damage to organs.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H410 Very toxic to aquatic life with long lasting effects.

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

GHS02



GHS05



GHS07



GHS08



GHS09



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

No Information