

Safety Data Sheet

KRYLON INDUSTRIAL QUIK-MARK SOLVENT-BASED INVERTED MARKING PAINT (FLUORESCENT), ORANGE 480G

Product: NC321

Revision date: 2018/04/27

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product name: QUIK-MARK INVERTED PAINT SAFETY ORANGE.

Synonyms: None

Chemical family: Mixture.

Product uses: Chemical.

Supplier: Same as manufacturer.

Manufacturer: Krylon Products Group
101 Prospect Avenue NW
Cleveland, OH 44115.

Manufacturer emergency phone number: 216-566-2917.
number: Chemtrec 800-424-9300.

Information phone number: 800-247-3266

Section 2: HAZARD IDENTIFICATION

GHS Classification

Health Hazard Class(es): Skin corrosion/irritation, category 2 Irritant.
Serious eye damage/eye irritation, category 2A Irritant.
Carcinogenicity, category 1A.
Toxic to reproduction, category 2.
Specific target organ toxicity following single exposure, category 3.
Specific target organ toxicity following repeated exposure, category 2.
Aspiration hazard, category 1.

Physical Hazard Class(es): Flammable aerosol, category 1.
Gas under pressure, Compressed gas.

Environmental Hazard Class(es): No environmental hazard class.

GHS Label Elements

Symbol:





Signal word: DANGER.

Hazard statement(s): H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H350 May cause cancer.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statement(s): P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash face, hands and any exposed skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P314 Get medical advice/attention if you feel unwell.
P331 Do NOT induce vomiting.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P332 + P313 If skin irritation 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.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403 Store in a well-ventilated place.
P405 Store locked up.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.
P501 Dispose of contents/container in accordance with local/regional/national regulations.

Other hazard(s): Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name
100-41-4	0.37	ETHYLBENZENE
106-97-8	6.4	N-BUTANE
107-83-5	3.89	2-METHYLPENTANE
108-88-3	0.7	TOLUENE
110-54-3	8.39	N-HEXANE
1330-20-7	2.11	XYLENE
14808-60-7	0.27	SILICA, QUARTZ
64742-49-0	3.24	ALIPHATIC NAPHTHA
64742-89-8	9.61	SOLVENT NAPHTHA, LIGHT ALIPHATIC
68410-97-9	3.24	LIGHT ALIPHATIC HYDROCARBON SOLVENT
74-98-6	13.6	PROPANE
79-29-8	1.22	2,3-DIMETHYLBUTANE
96-14-0	1.44	3-METHYLPENTANE

Section 4: FIRST AID MEASURES

Skin contact: Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Consult a physician immediately.

Eye contact: Lift eyelids occasionally.
Immediately flush with cool water. Remove contact lenses, if any, after the initial flushing, and then continue flushing for 15 minutes. Obtain medical attention immediately.

Inhalation: Keep person warm and at rest.
Loosen tight clothing around the person's neck and waist.
Remove victim to fresh air. If breathing is difficult administer oxygen. If not breathing, have qualified person give artificial respiration. Obtain medical attention.
Maintain an open airway.
If unconscious, place in recovery position.

Ingestion: Guard against aspiration of liquids into lungs.
Never give anything by mouth to an unconscious person.
Do not induce vomiting, seek immediate medical attention.
Rinse mouth with water.
Loosen tight clothing such as a collar, tie, or waistband.
Keep airway clear.
If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus.
If conscious, give small quantities of water.
If unconscious, place in recovery position and get medical attention immediately.

Section 5: FIRE FIGHTING MEASURES

Flammability: Flammable.

Extinguishing media: As suitable for surrounding fire.

Conditions of flammability: Vapours may travel to a source of ignition and flash back.
Heat, sparks and open flames.
Contaminated rags may catch fire spontaneously.

Special procedures: Use water to cool fire exposed containers.
Wear a positive-pressure, self-contained breathing apparatus and full protective equipment.

Sensitivity to static discharge: Not available.

Sensitivity to mechanical impact: Contents under pressure.

Rate of burning: Not available.

Hazardous combustion products: Oxides of carbon (CO, CO₂).
Oxides of nitrogen (NO_x).
Oxides of sulfur (SO_x).
Metal oxides.

Section 6: ACCIDENTAL RELEASE MEASURES


Leak/Spill: Contain the spill.
Evacuate all non-essential personnel.
Prevent entry into drains, sewers, and other waterways.
Do not touch spilled material.
Stop leak if without risk.
Use a non-combustible absorbent material.
Wear appropriate protective equipment.
Use non-sparking tools.
Stay upwind.
Ventilate. Eliminate all sources of ignition.
Explosion proof motors are recommended.
Soak up with inert absorbent.
Notify the appropriate authorities as required.
Place in a closed container for disposal.
Do not walk through spilled material.
Contaminated absorbent material may pose the same hazard as the spilled product.

Section 7: HANDLING AND STORAGE


Handling procedures: Avoid smoking, drinking, or eating during use.
Keep away from heat, sparks, and open flame.
Avoid breathing vapors/mists.
Use adequate ventilation.
Wear personal protective equipment appropriate to task.
Wash thoroughly after handling.
Empty containers containing residue may cause a hazard.
Keep out of reach of children.
Use non-sparking tools.
Avoid contact with skin, eyes and clothing.
Do not pierce or burn container, even after use.
Use with explosion proof equipment.
Launder contaminated clothing prior to reuse.
Thoroughly clean contaminated shoes.

Storage procedures: Keep out of direct sunlight.
Keep away from ignition sources.
Store below 50°C (122°F).
Store in a cool, dry and well ventilated area.
Keep locked up.
Store away from food and drink.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Gloves/Type: 

Chemical impervious gloves.

Respiratory/Type: 

Wear a NIOSH approved respirator if TLV is exceeded.

Eye/Type: Splash proof chemical goggles.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type: Wear adequate protective clothes.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Explosion proof ventilation.
Local exhaust and/or general ventilation.
To maintain exposure below TLV.

Exposure limit of material: No exposure limit established for the product.

Ingredients:

C.A.S.	Ingredient Name	TLV
100-41-4	ETHYLBENZENE	20 PPM
106-97-8	N-BUTANE	1000 PPM
107-83-5	2-METHYLPENTANE	500 PPM
108-88-3	TOLUENE	20 PPM
110-54-3	N-HEXANE	50 PPM (SKIN)
1330-20-7	XYLENE	100 PPM
14808-60-7	SILICA, QUARTZ	0.025 MG/M3 RESP
64742-49-0	ALIPHATIC NAPHTHA	NOT AVAILABLE
64742-89-8	SOLVENT NAPHTHA, LIGHT ALIPHATIC	NOT AVAILABLE
68410-97-9	LIGHT ALIPHATIC HYDROCARBON SOLVENT	NOT AVAILABLE
74-98-6	PROPANE	1000 PPM
79-29-8	2,3-DIMETHYLBUTANE	500 PPM
96-14-0	3-METHYLPENTANE	NOT AVAILABLE

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Aerosol.

Appearance & odor: Orange.

Odor threshold (ppm): Not available.

pH: 7

Boiling point (°C): Not available.

Freezing point (°C): Not available.

Flash point (°C), method: Closed Cup.
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Auto-ignition temperature (°C): Not available.

Explosive power: Vapours may accumulate in confined spaces and inadequately ventilated areas and cause a fire hazard.
Runoff to sewer may create fire/explosion hazard.
In a fire or if heated, a pressure increase will occur and the container may burst.

Vapour pressure (mmHg): 760
Specific gravity @ 20 °C: Not available.
Relative density: 0.88
Vapour density (air=1): 1.55
**Evaporation rate
(butyl acetate = 1):** 9.1
Solubility in water (%): Not available.
VOC: Not available.

Section 10: STABILITY AND REACTIVITY

Chemical stability: Product is stable.
Conditions of instability: Avoid heat, flames and sparks, ignition sources.
Hazardous polymerization: Not available.
Incompatible substances: None known.
**Hazardous products of
decomposition:** None known.

Section 11: TOXICOLOGICAL INFORMATION

Effects of Acute Exposure

Route of entry: Skin contact, eye contact, inhalation and ingestion.

Eye contact: May cause pain.
May cause redness and tearing.
Causes serious eye irritation.

Skin contact: Irritant.
May cause redness.

Inhalation: May cause coughing.
May cause respiratory irritation.
May cause drowsiness.
May cause headache and dizziness.
May cause nausea and vomiting.
May cause central nervous system depression.
May cause vertigo.

Ingestion: May cause nausea and vomiting.
Aspiration of liquid into lungs may cause chemical pneumonitis which can be fatal.
May cause central nervous system depression.

Effects of chronic exposure: May cause narcotic effects.
Prolonged occupational overexposure to solvents may lead to permanent brain and nervous system damage.
Overexposure may result in unconsciousness and possibly death.
Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.
May cause lung damage.
May cause target organ damage.
May affect the skeletal system.

Sensitization to product: Not available.

Carcinogenic effects: Ethylbenzene is classified as a possible carcinogen by IARC (group 2B).

Reproductive effects: May affect reproductive system.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

LD50 of product, species & route: No LD50 value established for the product.

LC50 of product, species & route: No LC50 value established for the product.

Ingredients:	C.A.S.	Ingredient Name	LD50	LC50
	100-41-4	ETHYLBENZENE	3500 MG/KG RAT ORAL >5000 MG/KG RABBIT DERMAL	4000 PPM/4H RABBIT INHALATION 55,000 MG/M3/2H RAT INHALATION 35,500 MG/M3/2H MOUSE INHALATION
	106-97-8	N-BUTANE	NOT AVAILABLE	658,000 MG/M3/4H RAT INHALATION 680,000 MG/M3/2H MOUSE INHALATION
	107-83-5	2-METHYLPENTANE	NOT AVAILABLE	NOT AVAILABLE
	108-88-3	TOLUENE	636 MG/KG RAT ORAL 14,100 UL/KG RABBIT DERMAL	49,000 MG/M3/4 HOURS RAT INHALATION 400 PPM/24 HOURS MOUSE INHALATION 10,000 MG/M3 MOUSE INHALATION 30,000 MG/M3/2H MOUSE INHALATION
	110-54-3	N-HEXANE	15,840 MG/KG RAT ORAL	48,000 PPM/4H RAT INHALATION 627,000 MG/M3/3M RAT INHALATION 150,000 MG/M3/2H MOUSE INHALATION
	1330-20-7	XYLENE	4300 MG/KG RAT ORAL 2119 MG/KG MOUSE ORAL >1700 MG/KG RABBIT DERMAL	5000 PPM/4 HR RAT INHALATION
	14808-60-7	SILICA, QUARTZ	NOT AVAILABLE	NOT AVAILABLE
	64742-49-0	ALIPHATIC NAPHTHA	NOT AVAILABLE	NOT AVAILABLE
	64742-89-8	SOLVENT NAPHTHA, LIGHT ALIPHATIC	NOT AVAILABLE	NOT AVAILABLE
	68410-97-9	LIGHT ALIPHATIC HYDROCARBON SOLVENT	5,170 MG/KG RAT ORAL	> 12,408 PPM/4HR RAT INHALATION
	74-98-6	PROPANE	NOT AVAILABLE	>800000 PPM/15MIN RAT INHALATION
	79-29-8	2,3-DIMETHYLBUTANE	NOT AVAILABLE	NOT AVAILABLE
	96-14-0	3-METHYLPENTANE	NOT AVAILABLE	NOT AVAILABLE

Section 12: ECOLOGICAL INFORMATION

Environmental fate: Not available.

Environmental toxicity: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Waste disposal: Dispose in accordance with local, provincial/state, and federal regulations.

Section 14: TRANSPORT INFORMATION

TDG classification:

AEROSOLS
UN1950
Class 2.1.



Section 15: REGULATORY INFORMATION

DSL status: The substance(s) listed in the ingredients section appear on the Domestic Substances List.

Section 16: OTHER INFORMATION

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