

SAFETY DATA SHEET



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FLAMMABILITY	2
PHYSICAL HAZARD	1
PERSONAL PROTECTION	B

Section I - Product Identification

Date: 2016

Product Name:	QC SURPRO 100LV PART B
Company	QC Construcion Products 11901, Gavin Rd, Laredo Tx, 78045
Chemical Name:	N/A
Chemical Family:	N/A
Chemical Formula:	Proprietary
D.O.T. Hazard Class:	Paint, 3, UN, 1263, III (Flash point greater than 73 F)
Appearance & Odor:	Clear liquid, sweet odor
Emergency Telephone Number:	CHEMTREC (800) 424-9300
Telephone Number for Information:	956 622 7677
Product Use:	

Section II - Hazards Identification

Hazard Symbol:



Hazard Statements

Flammable Liquid and Vapor
Harmful if inhaled
May cause an allergic skin reaction
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause respiratory irritation
May cause damage to organs (Lungs) through long or repeated exposure if inhaled.

Precautionary Statements

Obtain special instructions before use.
Keep away from heat/sparks/open flames /hot surfaces. No smoking.
Take precautionary measures against static discharge.
Wear respiratory protection/protective gloves/protective clothing/eye protection/face protection.
Do not breathe mists, vapors or spray.

IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present and easy to do. If irritation occurs and persists, get medical attention.
IF ON SKIN: Remove immediately all contaminated clothing. Rinse skin with water for several minutes. Wash contaminated clothing before reuse. If irritation occurs and persists, get medical attention.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Severe asthmatic reactions can occur in sensitized individuals. Get medical attention immediately. Administer oxygen or artificial respiration as necessary. Asthmatic symptoms may have a delayed onset.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a physician or poison center.

Keep container tightly closed. Store in a well ventilated place.
Dispose of contents/container in accordance with local regulation.

Section III - Product Composition

Composition	CAS Number	Weight
HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE	28182-81-2	60 - 100%
N-BUTYL ACETATE	123-86-4	3 - 7%
HEXAMETHYLENE-1-6-DIISOCYANATE	822-06-0	0.1 - 1%
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC	64742-95-6	1 - 5%*
1,2,4-TRIMETHYLBENZENE	95-63-6	1 - 5%
1,3,5-TRIMETHYLBENZENE	108-67-8	0.1 - 1%
MIXED XYLENES	1330-20-7	0.1 - 1%

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Section IV - First Aid Measures

Eye Contact:	Rinse with water for 15 minutes. Remove contact lenses, if present and easy to do. If irritation occurs and persists, get medical attention.
Skin Contact:	Remove immediately all contaminated clothing. Rinse skin with water for several minutes. Wash contaminated clothing before reuse. If irritation occurs and persists, get medical attention.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Severe asthmatic reactions can occur in sensitized individuals. Get medical attention immediately. Administer oxygen or artificial respiration as necessary. Asthmatic symptoms may have a delayed onset.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Immediately call a physician or poison center.

Section V - Fire Fighting Measure

Unusual Fire Explosion Hazards: In poorly ventilated areas, vapors may accumulate and travel to locations distant to the work area. Be aware of any flame or spark sources which could ignite vapors near and in range of the work area.

Fire Extinguishing media: Use dry chemical, carbon dioxide or alcohol-resistant foam.

Hazards during fire-fighting: Containers may rupture when exposed to extreme heat.

Protective equipment for fire-fighting:

Wear NFPA-approved self-contained breathing apparatus, helmet, hood, boots and gloves.

Section VI - Accidental Release Measures

Personal precautions:

Use recommended personal protective clothing and equipment, including eye protection, chemically resistant gloves and vapor respirator. To prevent slipping, do not walk through spilled material.

Environmental precautions:

Follow all Federal, State and Local regulations when storing and disposing of substances. Do not allow material to run off of work area, and material should be absorbed, collected and disposed of in accordance with regulations. Keep product from entering storm drains. Consult local and federal guidelines for proper disposal of these materials.

Cleanup:

General: In poorly ventilated areas, vapors may accumulate and travel to locations distant to the work area. Be aware of any flame or spark sources which could ignite vapors near and in range of the work area. Eliminate all ignition sources in the immediate area. Use clean non-sparking tools for spill cleanup.

- For small amounts of released material: Absorb or cover with inert absorbent, sand or dry earth. Transfer to a metal or HDPE container for disposal. - For large amounts of released material: Dike around spilled material with absorbent to contain. Absorb or cover with inert absorbent, sand or dry earth. Transfer to a metal container for disposal.

Section VII - Handling and Storage

Handling:

General advice - No specific measures are necessary provided product and recommended protective clothing/equipment are used correctly. Do not generate and breathe mists, vapors or fine spray. May only be mixed with Surtec Surpro 100LV Part A. Do not mix with other chemicals. This is a commercial product, not intended for home use. Keep out of reach of children.

Storage:

General advice - Protect against physical damage. Store in a cool, well ventilated area. Store in a tightly closed container as exposure to moisture may cause product to gel.

Shelf Life:

12 months minimum

Section VIII - Exposure Controls / Personal Protection

Personal Protective Equipment



Advice on system design:

Provide local exhaust ventilation to control vapors for published exposure limits.

Personal protective equipment (HMIS rating 'B' or 'I'):

Eye protection: Wear safety glasses with side shields or safety goggles to prevent exposure or full face shield if splash hazard exists.

Skin protection: Chemical-resistant gloves. Wear appropriate protective clothing to prevent possible skin contact.

Respiratory protection: Product, as supplied, is not intended for airless or other paint spray application. Do not breathe mists, vapors or spray. Use proper NIOSH-OSHA respirator fitted with proper cartridges if mists are generated, ventilation is inadequate or exposure limits are exceeded.

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Section VIII - Exposure Controls / Personal Protection

General safety and hygiene measures: Exercise stringent hygiene practices to minimize exposure. If contact occurs, wash any body part with soap and water immediately. Wash hands after use, and before eating, drinking or smoking.
Other protective measures:

Nearby running water on the job site is necessary, should an accident occur.

Exposure Guidelines:

ACGIH TLV: 1.0 mg/m³ (28182-81-2), 150 ppm (123-86-4), 25 ppm (95-63-6), 100 ppm (1330-20-7), 0.005 ppm (822-06-0)

STEL: 1.0 mg/m³ (28182-81-2), 200 ppm (123-86-4), 150 ppm (1330-20-7)

OSHA PEL: 150 ppm (123-86-4), 100 ppm (1330-20-7)

Section IX - Physical and Chemical Properties

Appearance:	Clear Pale Yellow Liquid	Flash Point:	122° F
Odor:	Solvent	Upper/Lower Flammability Limits:	No information available
pH value:	No information available	Relative Density (water):	1.15
Specific gravity:	1.15 (H ₂ O = 1)	Auto-Ignition Temperature:	No information available
Solidification temperature:	No information available	Decomposition temperature:	No information available
Freezing/Melting point:	N/A	Partition Coefficient:	No information available
Boiling point:	No information available	Odor Threshold:	No information available
Vapor density:	No information available	Viscosity:	~800 cps.
Vapor pressure:	No information available	Partition Coefficient:	No information available
Evaporation Rate:	No information available	Solubility in water:	None
Regulatory VOC:	<100 g/l		

Section X - Reactivity / Estability

Conditions to avoid: Heat, flame, sparks.

Substances to avoid: Acids, alkalis, amines. Contact with water may cause polymerization.

Hazardous reactions: Product is stable under normal conditions of use and storage.

Decomposition or By-products: Contact with water or moisture may cause polymerization. In fire conditions: carbon monoxide (CO), carbon dioxide (CO₂), nitric oxides (NO_x), hydrogen cyanide, isocyanate, isocyanic acid.

Section XI - Toxicological Information

Acute Toxicity (Symptoms):

Oral: Ingestion may cause pain, nausea, vomiting, and diarrhea.

Eye irritation: Irritation, redness, tearing and swelling. May cause temporary corneal injury.

Skin irritation: Irritation, redness, itching and swelling. Persons with allergic reaction may also experience rash.

Inhalation: Inhalation of vapors may cause irritation to the respiratory tract with runny nose, sore throat, coughing and difficulty breathing.

Sensitization: Skin: Yes. Respiratory: Yes

Numerical Measures of Toxicity:

Estimated Acute Toxicity Estimates (ATE) based on available information and in the context of actual product use.

ATE_{mix} (inhalation): 12.1 mg/l

Target Organ Effects - Single Exposure: (Respiratory System): Sensitized individuals or individuals with pre-existing conditions may experience asthma-like symptoms from inhalation of vapors. Overexposure to vapors may cause bronchitis, bronchial spasm or pulmonary edema. Symptoms may be delayed onset.

Chronic Toxicity:

Target Organ Effects – Repeated Exposure: (Respiratory System): Repeated overexposures may cause sensitization in certain individuals to isocyanates. This sensitization may cause asthma or asthma-like symptoms even with low levels of later exposure to isocyanate. Symptoms include chest tightness, wheezing, cough, shortness of breath or asthmatic attack. Symptoms may be delayed onset. Chronic overexposure to vapors may cause permanent lung damage.

Carcinogenicity - No carcinogenic substances as defined by ACGIH, IARC, NTP and/or OSHA.

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Section XII - Ecological Information

Biodegradation:

Test method: Unspecified

Analysis method: Unspecified

Degree of elimination: Not readily biodegradable.

Environmental toxicity:

Acute and prolonged toxicity to fish: Not available

Toxicity to microorganisms: Not available

Other ecotoxicological information: Not available

Section XIII - Disposal Considerations

Waste disposal of substance: Dispose of in accordance with all Federal, State and Local regulations when storing and disposing of substances. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA (EPA regulations for hazardous waste).

Container disposal: Dispose of in a licensed facility in accordance with local regulations.

RCRA:

Unspecified.

Section XIV - Transportation / Shipping Data

DOT:

UN/NA ID No: UN1866

Proper Shipping Name: RESIN SOLUTION (CONTAINS N-BUTYL ACETATE, PETROLEUM SOLVENT)

Hazard Class: 3

Packing Group: III

Section XV - Regulatory Information

Federal Regulations:

Registration status:

TSCA, US:

All components are listed or exempt.

SARA hazard category (EPCRA 311/312):

Acute health hazard

Chronic health hazard

SARA TITLE III, SECTION 313:

CAS Number:

95-63-6

1330-20-7

Chemical Name:

1,2,4-Trimethylbenzene

Mixed Xylenes

State Regulations:

Chemicals known to the State of California to cause cancer, birth defects or other reproductive harm

CAS Number:

71-43-2

Chemical Name:

Benzene

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Section XVI - Other Information

HMIS Rating :	HEALT	2	0 = Minimum
	FLAMMABILITY	2	1 = Slight
	REACTIVITY	1	2 = Moderate
	PPE		3 = Serious
			4 = Severe

Further information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

Legend

ACGIH - American Conference of Governmental Hygienists	PEL - Permissible Exposure Limit
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act	
RCRA - Resource Conservation and Recovery Act	
DOT - Department of Transportation	RTK - Right To Know
DSL - Domestic Substance List	SARA - Superfund Amendments and Reauthorization Act
EPA - Environmental Protection Agency	STEL - Short Term Exposure Limit
HMIS - Hazardous Materials Information System	TLV - Threshold Limit Value
IARC - International Agency for Research on Cancer	TSCA - Toxic Substances Control Act
MSHA - Mine Safety Health Administration	TWA - Time Weighted Average
NDSL - Non-Domestic Substance List	V - Volume
NIOSH - National Institute for Occupational Safety and Health	VOC - Volatile Organic Compound
NTP - National Toxicology Program	OSHA - Occupational Safety and Health Administration
WHMIS - Workplace Hazardous Materials Information System	

References:

CA: California	NOEC: No observable effect concentration
CAS: Chemical Abstract Services	NTP: National Toxicology Program
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980	OSHA: Occupational Safety and Health Administration
CFR: Code of Federal Regulations	PEL: Permissible exposure limit
DOT: Department of Transportation	PICCS: Philippine Inventory of Chemicals and Chemical Substances
EINECS: European Inventory of Existing Commercial chemical Substances	RCRA: Resource Conservation and Recovery Act
ENCS: Existing and New Chemical Substances	RTECS: Registry of Toxic Effects of Chemical Substances
IARC: International Agency for Research on Cancer	SARA: Superfund Amendments and Reauthorization Act
IBC: Intermediate Bulk Container	STEL: Short Term Exposure Limit
IECSC: Inventory of Existing Chemical Substances	TDG: Canadian Transportation of Dangerous Goods Act & Regulations
IMDG: International Maritime Dangerous Goods	TLV: Threshold Limit Values
Inh: Inhalation	TWA: Time Weighted Average
IOC: Inventory of Chemicals	TSCA: Toxic Substance Control Act
KECI: Korean Existing Chemicals Inventory	WHMIS: Workplace Hazardous Materials Identification System
KECL: Korean Existing Chemicals List	1. ACGIH, Threshold Limit Values for Chemical Sunstances and Physical Agents & Biological Exposure Indices for 2015.
LC: Lethal Concentration	2. International Agency for Research on Cancer Monographs, searched 2015.
LD: Lethal Dose	3. Canadian Centre for Occupational Health and Safety, CChInfoWeb Databases, 2015 (Chempendium, HSDB, RTECs).
MA: Massachusetts	4. Material Safety Data Sheet from manufacturer.
MN: Minnesota	5. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2015.
N/Ap: Not Applicable	6. US EPA Title III List of Lists
N/Av: Not Available	6. California Proposition 65 List
NIOSH: National Institute of Occupational Safety and Health	
NJ: New Jersey	

DISCLAIMER

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Before using this product :

Completely read the QC Tech-Data Bulletin 10.05M
Antiquing Release and the product label.

QC Surpro 100LV Part B