

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
Trade Name	Flexipel™ Q-50
CAS No.	Mixture

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Coating Product
Uses Advised Against	None

Details of the supplier of the safety data sheet

Company Identification	Innovative Chemical Technologies, Inc. 103 Walnut Grove Road SE Cartersville, GA 30120 United States of America
Telephone	(770) 607-9340; M-F 8:00 AM-5:30 PM EST
Fax	(770) 607-9341
Emergency telephone number	(770) 607-9340; M-F 8:00 AM-5:30 PM EST
Emergency Phone No.	(770) 607-9340; M-F 8:00 AM-5:30 PM EST

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Eye Dam. 1; STOT SE 1
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Label elements

Hazard Symbol(s)



Signal Word(s)

DANGER

Hazard Statement(s)

Causes serious eye damage.
Causes damage to organs: Optic nerve, Central nervous system

Precautionary Statement(s)

Wear protective gloves/protective clothing/eye protection/face protection.
Wash hands and exposed skin after use.
Do not breathe dust/fume/gas/mist/vapours/spray.
Do not eat, drink or smoke when using this product.

Other hazards

None

Additional Information

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.	Hazard classification
Quarternary Ammonium Chloride Compound	2 - 7	Trade Secret	Skin Irrit. 2; H315 Eye Dam. 1; H318
Methanol	1 - 3	67-56-1	Flam. Liq. 2; H225 Acute Tox. 3; H301, H311, H331 STOT SE 1; H370

Additional Information - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below. - **None**

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Move person to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention.
Skin Contact	Wash affected skin with plenty of water. If irritation (redness, rash, blistering) develops, get medical attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.
Ingestion	Do not give anything by mouth to an unconscious person. Do NOT induce vomiting. Get immediate medical attention.

Most important symptoms and effects, both acute and delayed

Contains: Methanol - Causes damage to organs: Optic nerve, Central nervous system.

Indication of any immediate medical attention and special treatment needed

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

In case of fire: Use CO₂, dry chemical, or foam.
None anticipated.

Special hazards arising from the substance or mixture

Combustion or thermal decomposition will evolve toxic and irritant vapours. Forms toxic fumes of hydrogen chloride, oxides of carbon, nitrogen, and silica.

Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid skin contact. Do not get in eyes. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe mist/vapours/spray.

Environmental precautions

Contain spillages with sand, earth or any suitable adsorbent material. Do not allow to enter drains, sewers or waterways.

Methods and material for containment and cleaning up

Contain spillages with sand, earth or any suitable adsorbent material. Transfer to a container for disposal or recovery. Wash the spillage area with water. If possible prevent water running into sewers.

**Reference to other sections
Additional Information**

None
None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Avoid skin contact. Do not get in eyes. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe mist/vapours/spray.

Conditions for safe storage, including any incompatibilities

-Storage temperature

Store locked up. Keep in a well ventilated place. Store at temperatures not exceeding 50°C / 122 °F. Do not freeze.

-Incompatible materials

Strong oxidising agents and reducing agents.

Specific end use(s)

Coating Product

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)		STEL (ppm)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Methanol	67-56-1	200 ppm	200 ppm	----	250 ppm	None

- LTEL: Long Term Exposure Limit; STEL: Short Term Exposure Limit

Recommended monitoring method

NIOSH 2000 (Methanol)

Exposure controls

Appropriate engineering controls

Not normally required.

Personal protection equipment

The following to be used as necessary:

Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).



Skin protection (Hand protection/ Other)



Gloves (Butyl rubber). Check with protective equipment manufacturer's data.

Respiratory protection



Not normally required.

Thermal hazards

Not normally required.

Environmental Exposure Controls

Avoid release to the environment. Do not allow to enter drains, sewers or waterways.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid.
Color.	Colourless to pale yellow
Odor	Mild
Odor Threshold (ppm)	Not available.
pH (Value)	4 - 7
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	Not available.
Flash Point (°C)	>93.3 (>200 °F)
Evaporation Rate	Not available.
Flammability (solid, gas)	Not applicable.
Explosive Limit Ranges	Not applicable.
Vapour pressure (Pascal)	Not available.
Vapour Density (Air=1)	Not available.
Density (g/ml)	1.00 +/- 0.02
Solubility (Water)	Soluble
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Point (°C)	Not applicable.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt) @ 40°C	Not available. / Not applicable.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Other information	Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Avoid excessive heat. Do not freeze. Perishable if frozen.

Incompatible materials

Strong oxidising agents and reducing agents.

Hazardous decomposition product(s)

Combustion or thermal decomposition will evolve toxic and irritant vapours. Forms toxic fumes of hydrogen chloride, oxides of carbon, nitrogen, and silica.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Skin Contact, Eye Contact, Inhalation

Information on toxicological effects

Methanol (CAS# 67-56-1):

Acute toxicity*

LD50 (oral, monkey): 7000 mg/kg-bw
 LD0 (oral, rat): ≥ 2528 mg/kg-bw
 LC50 (inhal., cat, 6-hours): 43.68 mg/L
 LC50 (inhal., monkey, 4-hours): 52 mg/L
 Ingestion may damage the optic nerve.
 May cause dizziness and drowsiness

Irritation / Corrosivity

May cause eye irritation.

Sensitization

It is not a skin sensitizer.

Repeated dose toxicity

NOAEC (2-yr. inhal., mouse): ≥ 1.3 mg/L

Mutagenicity

Negative

Carcinogenicity

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

Developmental Toxicity

Negative. Not a specific developmental toxin.

Toxicity for reproduction

Negative. Not a specific reproductive toxin.

Other information

* ATE (oral) = 100 mg/kg
 * ATE (dermal) = 300 mg/kg
 * ATE (inhalation) = 3 mg/L

*ATE = Acute Toxicity Estimate for purposes of classification

SECTION 12: ECOLOGICAL INFORMATION

Substances in preparations / mixtures:

Methanol (CAS# 67-56-1):

Acute toxicity

LC50 (96 hour): 15400 mg/L (*Lepomis macrochirus*)
 EC50 (48 hour): 18260 mg/L (*Daphnia magna*, mobility)
 EC50 (96 hour): 22000 mg/L (*Pseudokirchnerella subcapitata*)

Long Term Toxicity

NOEC (28 days) 446.7 mg/l (*Fish*) QSAR
 NOEC (21 days): 208 mg/l (*Daphnia magna*) QSAR

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

Additional Information None known.

SECTION 14: TRANSPORT INFORMATION

	<u>Land transport</u> <u>(U.S. DOT)</u>	<u>Sea transport</u> <u>(IMDG)</u>	<u>Air transport</u> <u>(ICAO/IATA)</u>
UN number			
Proper Shipping Name			
Transport hazard class(es)			
Packing group			
Environmental hazards			
Special precautions for user			

Not classified as dangerous for transport.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
Methanol	67-56-1	~1	5000

SARA 311/312 - Hazard Categories: None

Fire Sudden Release Reactivity Immediate (acute) Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
Methanol	67-56-1	~1

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)	TPQ (Pounds)
None	-----	-----	-----	-----

Proposition 65 (California):

Chemical Name	CAS No.	Typical %wt.	Hazards
Methanol	67-56-1	~1	Developmental

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 3

Date of Revision: August 10, 2015

Date of preparation: June 19, 2015

Hazard Statement(s) Listed in: SECTION 3

H225: Highly flammable liquid and vapour.

H301: Toxic if swallowed.

H311: Toxic in contact with skin.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H331: Toxic if inhaled.

H370: Causes damage to organs: Optic nerve, Central nervous system

Training advice: None.

This information relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.