

## SECTION 1: Identification

### 1.1. Identification

Product name : 6714

### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Industrial use

### 1.3. Supplier

Alchemix, a Nitro Química Company  
2300 West Point Ave. College Park, GA  
30337 - USA  
T 404-761-0604 - F 404-559-8892  
[www.alchemix.com](http://www.alchemix.com)

### 1.4. Emergency telephone number

Emergency number : CHEMTREC, U.S. : +1-800-424-9300 International: +1-703-527-3887

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

#### GHS-US classification

Flammable Liquids - Category 2  
Eye Damage/Irritation - Category 2A  
Specific Target Organ Toxicity - Single Exposure - Category 3

### 2.2. GHS Label elements, including precautionary statements

#### GHS-US labelling



Hazard pictograms (GHS-US) :  
Signal word (GHS-US) : Danger  
Hazard statements (GHS-US) : Highly flammable liquid and vapour

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Acetone	(CAS-No.) 67-64-1	44 - 48	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Methyl Ethyl Ketone	(CAS-No.) 78-93-3	25 - 29	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Ethanol	(CAS-No.) 64-17-5	5 - 9	Flam. Liq. 2, H225
Isopropanol	(CAS-No.) 67-63-0	2 - 6	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	: Do NOT induce vomiting. Rinse mouth out with water.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	: Causes serious eye irritation. May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.
Symptoms/effects after skin contact	: irritation (itching, redness, blistering).
Symptoms/effects after eye contact	: stinging. Redness. Causes serious eye irritation. redness, itching, tears.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.

### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Dry chemical, CO <sub>2</sub> , or water spray or regular foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Fire hazard	: Highly flammable liquid and vapour. The vapours are denser than air and may travel along the ground. Distance ignition possible. Agitation can cause build up of electrostatic charge. Vapours may cause fire/explosion if source of ignition is present. In case of fire and/or explosion do not breathe fumes.
Explosion hazard	: Vapours may form explosive mixture with air. Prolonged exposure to fire may cause containers to rupture/explode.
Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.

### 5.3. Special protective equipment and precautions for fire-fighters

Precautionary measures fire	: Keep container closed when not in use. This product is not to be used under conditions of poor ventilation.
Firefighting instructions	: Get the package away from the fire if this can be done without risk. Fight fire from a safe distance or use hoses with support or cannon engine. Cool laterally with water containers exposed to flames, even after the fire is extinguished. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Use self-contained breathing apparatus and chemically protective clothing.
Other information	: In case of fire, corrosive and harmful gases come free.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Eliminate every possible source of ignition. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Avoid contact with skin and eyes. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: No flames, no sparks. Eliminate all sources of ignition. Do not touch or walk on the spilled product. Evacuate area. Only qualified personnel equipped with suitable protective equipment may intervene. Notify fire brigade and environmental authorities.

### 6.1.2. For emergency responders

- Protective equipment : Use self-contained breathing apparatus and chemically protective clothing. Gloves. Wear security glasses which protect from splashes. Self-contained breathing apparatus. Total impervious protective suits, gloves, and boots must be worn to prevent any contact with the product. Corrosionproof suit. Equip cleanup crew with proper protection.
- Emergency procedures : Keep away from combustible material. All equipment used when handling the product must be grounded. Evacuate unnecessary personnel. Stop leak if safe to do so.

### 6.2. Environmental precautions

Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

- For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
- Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place. Clean contaminated surfaces with an excess of water.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Flammable vapours may accumulate in the container.
- Precautions for safe handling : Provide adequate ventilation to minimize dust and/or vapour concentrations. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Handle carefully. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear personal protective equipment. Keep only in original container. Do not handle until all safety precautions have been read and understood.
- Hygiene measures : Always wash hands after handling the product. Remove contaminated clothes. Do not eat, drink or smoke when using this product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ensure adequate ventilation, especially in confined areas.
- Storage conditions : Keep cool. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Protect from sunlight.
- Incompatible materials : combustible materials.
- Packaging materials : Store always product in container of same material as original container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

6714	
ACGIH	Local name
ACGIH	ACGIH TWA (ppm)
ACGIH	ACGIH STEL (ppm)
ACGIH	Remark (ACGIH)
ACGIH	Regulatory reference
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )
OSHA	OSHA PEL (TWA) (ppm)
OSHA	Regulatory reference (US-OSHA)
Ethanol (64-17-5)	
ACGIH	Local name
ACGIH	ACGIH STEL (ppm)
ACGIH	Remark (ACGIH)
ACGIH	Regulatory reference
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )
OSHA	OSHA PEL (TWA) (ppm)
OSHA	Regulatory reference (US-OSHA)

<b>Isopropanol (67-63-0)</b>	
ACGIH	ACGIH TWA (ppm)
ACGIH	ACGIH STEL (ppm)
<b>Acetone (67-64-1)</b>	
ACGIH	ACGIH TWA (ppm)
ACGIH	ACGIH STEL (ppm)
<b>Methyl Ethyl Ketone (78-93-3)</b>	
ACGIH	ACGIH TWA (ppm)
ACGIH	ACGIH STEL (ppm)

### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Measure concentrations regularly, and at the time of any change occurring in conditions likely to have consequences on workers exposure.
- Environmental exposure controls : Do not exceed the occupational exposure limits (OEL).

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### Hand protection:

Protective gloves

#### Eye protection:

Wear closed safety glasses

#### Skin and body protection:

Wear impervious rubber safety shoes

#### Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Colour : Mixture contains one or more component(s) which have the following colour(s):  
Incolor Branco-cinzeno
- Odour : There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure.  
Mixture contains one or more component(s) which have the following odour(s):  
Odor de álcool Odor rançoso Odor débil Inodoro Odor suave Odor de acetona Odor aromático Odor cheiro a fruta
- Odour threshold : No data available
- pH : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : < 10 °C

Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Insolúvel em água.
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: 180 °C
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

## 9.2. Other information

No additional information available

# SECTION 10: Stability and reactivity

## 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

## 10.2. Chemical stability

In use may form flammable/explosive vapour-air mixture.

## 10.3. Possibility of hazardous reactions

Liquids/vapours may ignite or react with other materials.

## 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with hot surfaces. High temperature. Avoid formation of vapours.

## 10.5. Incompatible materials

Combustible materials.

## 10.6. Hazardous decomposition products

May liberate toxic gases. On exposure to high temperature, may decompose, releasing corrosive gases.

# SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Acute toxicity : Not classified

<b>Ethanol (64-17-5)</b>	
LD50 oral rat	> 7060 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	> 20 mg/l/4h (Rat)
<b>Isopropanol (67-63-0)</b>	
LD50 dermal rabbit	12870 mg/kg (Rabbit, Experimental value, Equivalent or similar to OECD 402, 16.4, Rabbit)
LC50 inhalation rat (mg/l)	73 mg/l/4h (Rat)
ATE US (dermal)	12870 mg/kg bodyweight
ATE US (vapours)	73 mg/l/4h
ATE US (dust,mist)	73 mg/l/4h

<b>Acetone (67-64-1)</b>	
LD50 oral rat	5800 mg/kg (Rat, Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rabbit	20000 mg/kg (Rabbit, Experimental value, Equivalent or similar to OECD 402, > 7426 mg / kg bodyweight, Rabbit, Test weight)
LC50 inhalation rat (mg/l)	71 mg/l/4h (Rat, experimental value, 76 mg / l / 4h, Rat, experimental value)
LC50 inhalation rat (ppm)	30000 ppm/4h (Rat, experimental value)
ATE US (oral)	5800 mg/kg bodyweight
ATE US (dermal)	20000 mg/kg bodyweight
ATE US (gases)	30000 ppmv/4h
ATE US (vapours)	71 mg/l/4h
ATE US (dust,mist)	71 mg/l/4h

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/effects	: Causes serious eye irritation. May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.
Symptoms/effects after skin contact	: irritation (itching, redness, blistering).
Symptoms/effects after eye contact	: stinging. Redness. Causes serious eye irritation. redness, itching, tears.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>Ethanol (64-17-5)</b>	
EC50 Daphnia 1	9300 mg/l (CE50; 48 h)
LC50 fish 2	13 mg/l (CL50; 96 h)
<b>Isopropanol (67-63-0)</b>	
LC50 fish 2	9640 mg/l (CL50; OCDE 203; 96 h; Pimephales promelas; System with current; Freshwater (not salted); Experimental value)
EC50 Daphnia 2	13299 mg/l (CE50; Outro; 48 h; Daphnia magna)
Threshold limit algae 1	> 1000 mg/l (CE50; UBA; 72 h; Scenedesmus subspicatus)
<b>Acetone (67-64-1)</b>	
LC50 fish 2	5540 mg/l (CL50; Método C.1 da UE; 96 h; Salmo gairdneri; Static system; Freshwater (not salted); Experimental value)
EC50 Daphnia 2	12600 mg/l (CL50; Outro; 48 h; Daphnia magna; Static system; Freshwater (not salted); Experimental value)
<b>Methyl Ethyl Ketone (78-93-3)</b>	
EC50 Daphnia 1	308 mg/l (CE50; OCDE 202; 48 h; Daphnia magna; Static system; Freshwater (not salted); Experimental value)

<b>Methyl Ethyl Ketone (78-93-3)</b>	
LC50 fish 2	2993 mg/l (CL50; OCDE 203; 96 h; Pimephales promelas; Static system; Freshwater (not salted); Experimental value)

## 12.2. Persistence and degradability

<b>Ethanol (64-17-5)</b>	
Persistence and degradability	Easily biodegradable in water.
Biochemical oxygen demand (BOD)	0.8 - 0.97 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.7 g O <sub>2</sub> /g substance
ThOD	2.1 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.43

<b>Isopropanol (67-63-0)</b>	
Persistence and degradability	Easily biodegradable in water. Biodegradable in soil. Biodegradable in soil under anaerobic conditions. There is no (experimental) data available on the mobility of the substance.
Biochemical oxygen demand (BOD)	1.19 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.23 g O <sub>2</sub> /g substance
ThOD	2.4 g O <sub>2</sub> /g substance

<b>Acetone (67-64-1)</b>	
Persistence and degradability	Easily biodegradable in water. Biodegradable in soil. Biodegradable in soil under anaerobic conditions. There is no (experimental) data available on the mobility of the substance.
Biochemical oxygen demand (BOD)	1.43 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.92 g O <sub>2</sub> /g substance
ThOD	2.2 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.872 (20 days; Literature study)

<b>Methyl Ethyl Ketone (78-93-3)</b>	
Persistence and degradability	Easily biodegradable in water. Biodegradable in soil. Biodegradable in soil under anaerobic conditions.
Biochemical oxygen demand (BOD)	2.03 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.31 g O <sub>2</sub> /g substance
ThOD	2.44 g O <sub>2</sub> /g substance
BOD (% of ThOD)	> 0.5 (5 days; Literature study)

## 12.3. Bioaccumulative potential

<b>Ethanol (64-17-5)</b>	
Log Pow	-0.32
Bioaccumulative potential	Bioaccumulation: not applicable.

<b>Isopropanol (67-63-0)</b>	
Log Pow	0.05 (Proficiency Weighting Approach Approach, Other, 25 ° C)
Bioaccumulative potential	Low bioaccumulation potential (Log Kow <4).

<b>Acetone (67-64-1)</b>	
BCF fish 1	0.69 (BCF)
BCF other aquatic organisms 1	3 (BCF; BCFWIN)
Log Pow	-0.24 (Test data)
Bioaccumulative potential	Not bioaccumulable.

<b>Methyl Ethyl Ketone (78-93-3)</b>	
Log Pow	0.3 (Experimental value; OCDE 117; 40 °C)

<b>Methyl Ethyl Ketone (78-93-3)</b>	
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).

#### 12.4. Mobility in soil

<b>Isopropanol (67-63-0)</b>	
Surface tension	0.021 N/m (25 °C)

<b>Acetone (67-64-1)</b>	
Surface tension	0.0237 N/m

<b>Methyl Ethyl Ketone (78-93-3)</b>	
Surface tension	0.024 N/m (20 °C)
Log Koc	Koc,34; calculated
Ecology - soil	Slightly harmful to plants.

#### 12.5. Other adverse effects

Effect on the global warming : No known effects from this product.  
 GWPmix comment : No known effects from this product.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Must follow special treatment according to local regulation.  
 Sewage disposal recommendations : Disposal must be done according to official regulations.  
 Product/Packaging disposal recommendations : Disposal must be done according to official regulations.  
 Additional information : Flammable vapours may accumulate in the container. Do not re-use empty containers.



## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

**Transport document description:** UN1263 Paint related material, 3, II

**UN-No.(DOT):** UN1263

**Proper Shipping Name (DOT):** Paint related material

**Class (DOT):** 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

**Packing group (DOT):** II - Medium Danger

**Hazard labels (DOT):** 3 - Flammable liquid

**DOT Packaging Non Bulk (49 CFR 173.xxx):** 173

**DOT Packaging Bulk (49 CFR 173.xxx):** 242

#### DOT Special Provisions (49 CFR 172.102):

149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packagings may be increased to 5 L (1.3 gallons).

B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks.

IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.

T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / (1 + a (tr - tf))$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F).

TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

**DOT Packaging Exceptions (49 CFR 173.xxx):** 150

**DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27):** 5 L

**DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75):** 60 L

**DOT Vessel Stowage Location:** B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

**Emergency Response Guide (ERG) Number:** 128

**Other information:** No supplementary information available.

#### Transport by sea

Not applicable

#### Air transport

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

6714	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).

### Ethanol (64-17-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

<b>Isopropanol (67-63-0)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313	
<b>Acetone (67-64-1)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Not subject to reporting requirements of the United States SARA Section 313	
CERCLA RQ	5000 lb
<b>Methyl Ethyl Ketone (78-93-3)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Not subject to reporting requirements of the United States SARA Section 313	
Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	5000 lb

## 15.2. International regulations

### CANADA

<b>Ethanol (64-17-5)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>Isopropanol (67-63-0)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>Acetone (67-64-1)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>Methyl Ethyl Ketone (78-93-3)</b>	
Listed on the Canadian DSL (Domestic Substances List)	

### EU-Regulations

No additional information available

### National regulations

<b>Methyl Ethyl Ketone (78-93-3)</b>	
Listed on EPA Hazardous Air Pollutant (HAPS)	

## 15.3. US State regulations

<b>6714</b>	
U.S. - California - Proposition 65 List	No

## SECTION 16: Other information

Data sources : Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.

Full text of H-statements:

H224	Extremely flammable liquid and vapour
H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H350	May cause cancer

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*