

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

<b>Trade name or designation of the mixture</b>	Cou-Lo® Formula C, Item #61002
<b>Registration number</b>	-
<b>Synonyms</b>	None.
<b>Product code</b>	61002
<b>Issue date</b>	07-03-2012
<b>Version number</b>	01

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

<b>Identified uses</b>	Laboratory reagent for water determination using the Karl Fischer method.
<b>Uses advised against</b>	None known.

### 1.3. Details of the supplier of the safety data sheet

#### Supplier

<b>Company name</b>	GR Scientific Ltd
<b>Address</b>	PO Box 242 Amphill Bedfordshire, MK45 5AQ UK
<b>Telephone</b>	Telephone + 44 (0) 1525 40 4747 Fax + 44 (0) 1525 40 4848
<b>e-mail</b>	Not available.
<b>Contact person</b>	Not available.

**1.4. Emergency telephone number** +44 (0) 1525 404747

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Directive 67/548/EEC or 1999/45/EC as amended

**Classification** R10, Xn;R20/21/22

The full text for all R-phrases is displayed in section 16.

#### Hazard summary

<b>Physical hazards</b>	Flammable.
<b>Health hazards</b>	Harmful by inhalation, in contact with skin and if swallowed. Occupational exposure to the substance or mixture may cause adverse health effects. Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects.
<b>Environmental hazards</b>	Not classified for hazards to the environment.
<b>Specific hazards</b>	Flammable.
<b>Main symptoms</b>	Not available.

### 2.2. Label elements

#### Label according to Directive 67/548/EEC or 1999/45/EC as amended

<b>Contains:</b>	ETHYLENEGLYCOLMONOMETHYL ETHER, Iodine, SULFUR DIOXIDE, TRADE SECRET
<b>EC number</b>	-



Harmful

**R-phrases** R10 Flammable.  
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

**S-phrases** S9 Keep container in a well-ventilated place.  
S13 Keep away from food, drink and animal feeding stuffs.  
S16 Keep away from sources of ignition - No smoking.  
S20 When using do not eat or drink.  
S23 Do not breathe gas/fumes/vapour/spray.  
S24/25 Avoid contact with skin and eyes.  
S36/37 Wear suitable protective clothing and gloves.  
S60 This material and its container must be disposed of as hazardous waste.

**Supplemental label information** Not applicable.

**2.3. Other hazards** Not assigned.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
ETHYLENEGLYCOLMONOMETHYL ETHER	70 - < 80	109-86-4 203-713-7	-	-	
<b>Classification:</b>	R10				
TRADE SECRET	10 - < 20	Proprietary	-	-	
<b>Classification:</b>					
SULFUR DIOXIDE	3 - < 5	7446-09-5 231-195-2	-	-	
<b>Classification:</b>					
Iodine	<2.2	7553-56-2 231-442-4	-	053-001-00-3	
<b>Classification:</b>	Xn;R20/21, N;R50				

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

#: This substance has been assigned Community workplace exposure limit(s).

**Composition comments** The full text for all R-phrases is displayed in Section 16.

## SECTION 4: First aid measures

**General information** Not available.

### 4.1. Description of first aid measures

**Inhalation** Call a physician if symptoms develop or persist.

**Skin contact** Take off immediately all contaminated clothing. Rinse skin with water/shower.

**Eye contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Ingestion** Rinse mouth. If ingestion of a large amount does occur, call a poison control centre immediately.

**4.2. Most important symptoms and effects, both acute and delayed** Not available.

**4.3. Indication of any immediate medical attention and special treatment needed** Not available.

## SECTION 5: Firefighting measures

**General fire hazards** Not available.

### 5.1. Extinguishing media

**Suitable extinguishing media** Carbon dioxide (CO2). Alcohol resistant foam. Powder.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture** Not available.

### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Structural firefighters protective clothing will only provide limited protection.

**Special fire fighting procedures** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Use standard firefighting procedures and consider the hazards of other involved materials. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Move containers from fire area if you can do so without risk. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel** Keep unnecessary personnel away. Isolate spill or leak area immediately for at least 100 to 150 meters (330 to 490 feet) in all directions. Fully encapsulating, vapour protective clothing should be worn for spills and leaks with no fire. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Keep upwind. Keep out of low areas. Ventilate closed spaces before entering them.

**For emergency responders** Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the MSDS.

**6.2. Environmental precautions** Prevent further leakage or spillage if safe to do so.

**6.3. Methods and material for containment and cleaning up** Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Extinguish all flames in the vicinity. Dike far ahead of liquid spill for later disposal. Should not be released into the environment. Prevent entry into waterways, sewers, basements or confined areas.

Large Spills: Stop leak if you can do so without risk. Dike the spilled material, where this is possible. Clean contaminated surface thoroughly. Cover with DRY earth, DRY sand or other non-combustible material followed with plastic sheet to minimise spreading or contact with rain. After removal flush contaminated area thoroughly with water. This material and its container must be disposed of as hazardous waste. Clean up in accordance with all applicable regulations.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. For waste disposal, see section 13.

**6.4. Reference to other sections** For personal protection, see section 8. For waste disposal, see section 13.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling** May be ignited by open flame. Keep away from sources of ignition - No smoking. Do not smoke. All equipment used when handling the product must be grounded. Do not get this material in contact with eyes. Avoid prolonged exposure. Wash thoroughly after handling. Avoid release to the environment.

**7.2. Conditions for safe storage, including any incompatibilities** Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a well-ventilated place. Keep container tightly closed. Keep container dry. Never allow product to get in contact with water during storage. Keep out of the reach of children.

**7.3. Specific end use(s)** Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
Iodine (7553-56-2)	STEL	1.1 mg/m3

## UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
		0.1 ppm
<b>United Kingdom</b>		
<b>Components</b>	<b>Type</b>	<b>Value</b>
ETHYLENEGLYCOLM ONOMETHYL ETHER (109-86-4)	TWA	16 mg/m3
		5 ppm

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures** Follow standard monitoring procedures.

### 8.2. Exposure controls

**Appropriate engineering controls** Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

**General information** Use personal protective equipment as required. Keep working clothes separately. Eye wash fountains are required. Emergency showers are required.

**Eye/face protection** Eye wash fountains are required. Chemical goggles are recommended.

#### Skin protection

##### - Hand protection

Wear protective gloves.

##### - Other

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

#### Thermal hazards

Not available.

#### Hygiene measures

When using do not smoke. Handle in accordance with good industrial hygiene and safety practices. Provide eyewash station and safety shower.

#### Environmental exposure controls

Not available.

## SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Clear.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Colour</b>	Light yellow.
<b>Odour</b>	Strong.
<b>Odour threshold</b>	Not available.
<b>pH</b>	6
<b>Melting point/freezing point</b>	-65.5 °C (-85.8 °F) estimated
<b>Initial boiling point and boiling range</b>	124 °C (255.2 °F) approximately
<b>Flash point</b>	46.0 °C (114.8 °F)
<b>Evaporation rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	2.3 % estimated
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit – upper (%)</b>	Not available.

<b>Vapour pressure</b>	6.832063332 hPa estimated
<b>Vapour density</b>	Not applicable.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not applicable.
<b>Explosive properties</b>	Not available.
<b>Oxidizing properties</b>	Not available.

## 9.2. Other information

No relevant additional information available.

<b>Density</b>	1.10 g/cm <sup>3</sup>
<b>Flammability class</b>	Combustible II estimated
<b>Flash point class</b>	Combustible II
<b>Percent volatile</b>	> 75 %
<b>Specific gravity</b>	1.1
<b>VOC (Weight %)</b>	16.5 % estimated

## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	None known.
<b>10.2. Chemical stability</b>	Risk of ignition. Stable at normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>10.4. Conditions to avoid</b>	Exposure to water vapour. Heat, flames and sparks. Avoid temperatures exceeding the flash point.
<b>10.5. Incompatible materials</b>	Strong oxidizing agents. Strong acids. Caustics.
<b>10.6. Hazardous decomposition products</b>	Upon decomposition, this product emits oxides of sulfur, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## SECTION 11: Toxicological information

**General information** Not available.

### Information on likely routes of exposure

<b>Ingestion</b>	Not available.
<b>Inhalation</b>	Not available.
<b>Skin contact</b>	Not available.
<b>Eye contact</b>	Not available.

**Symptoms** Not available.

### 11.1. Information on toxicological effects

Product	Species	Test results
Cou-Lo® Formula C, Item #61002 (Mixture)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Guinea pig	18833 mg/l
	Mouse	19167 mg/l
	Rat	1911 mg/l
<i>Oral</i>		
LD50	Mouse	99999 mg/kg
	Rabbit	99999 mg/kg
Components	Species	Test results
ETHYLENEGLYCOLMONOMETHYL ETHER (109-86-4)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Rat	1500 mg/l, 7 hours

Components	Species	Test results
<i>Oral</i> LD50	Rat	2370 mg/kg
Iodine (7553-56-2)		
<b>Acute</b>		
<i>Oral</i> LD50	Mouse	22 g/kg
	Rabbit	10 g/kg
	Rat	14 g/kg
SULFUR DIOXIDE (7446-09-5)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Guinea pig	1000 mg/l, 20 Hours 130 mg/l, 154 Hours
	Mouse	1000 mg/l, 4 Hours 150 mg/l, 847 Hours
TRADE SECRET (Proprietary)		
<b>Acute</b>		
<i>Oral</i> LD50	Rat	1820 mg/kg 710 mg/kg

\* Estimates for product may be based on additional component data not shown.

<b>Skin corrosion/irritation</b>	Not available.
<b>Serious eye damage/irritation</b>	Not available.
<b>Respiratory sensitisation</b>	Not available.
<b>Skin sensitisation</b>	Not available.
<b>Germ cell mutagenicity</b>	Not available.
<b>Carcinogenicity</b>	

#### IARC Monographs. Overall Evaluation of Carcinogenicity

SULFUR DIOXIDE (CAS 7446-09-5)	3 Not classifiable as to carcinogenicity to humans.
TRADE SECRET (CAS Proprietary)	2B Possibly carcinogenic to humans.

<b>Reproductive toxicity</b>	Not available.
<b>Specific target organ toxicity - single exposure</b>	Not available.
<b>Specific target organ toxicity - repeated exposure</b>	Not available.
<b>Aspiration hazard</b>	Not available.
<b>Mixture versus substance information</b>	Not available.
<b>Other information</b>	Not available.

## SECTION 12: Ecological information

**12.1. Toxicity** Components of this product have been identified as having potential environmental concerns.

Product	Species	Test results
Cou-Lo® Formula C, Item #61002 (Mixture)		
Crustacea	EC50	Daphnia 448 mg/l, 48 hours
	LC50	Daphnia 2903 mg/l, 24 hours 218 mg/l, 264 hours 142 mg/l, 168 hours 113 mg/l, 48 hours 36.21 mg/l, 96 hours
Fish	LC50	Fish 5188 mg/l, 48 hours

Product	Species		Test results
			3394 mg/l, 6 days
			3273 mg/l, 72 hours
			145 mg/l, 24 hours
			106 mg/l, 96 hours
Components	Species		Test results
ETHYLENEGLYCOLMONOMETHYL ETHER (109-86-4)			
<b>Aquatic</b>			
Crustacea	LC50	Brine shrimp ( <i>Artemia salina</i> )	> 10000 mg/l, 24 hours
		Water flea ( <i>Daphnia magna</i> )	> 10000 mg/l, 24 hours
Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> )	> 10000 mg/l, 96 hours
		Carp ( <i>Leuciscus idus melanotus</i> )	> 10000 mg/l, 48 hours
		Goldfish ( <i>Carassius auratus</i> )	> 5000 mg/l, 24 hours
		Inland silverside ( <i>Menidia beryllina</i> )	> 10000 mg/l, 96 hours
		Rainbow trout,donaldson trout ( <i>Oncorhynchus mykiss</i> )	14000 - 18000 mg/l, 96 hours
Iodine (7553-56-2)			
<b>Aquatic</b>			
Crustacea	LC50	Water flea ( <i>Daphnia magna</i> )	0.55 - 1.32 mg/l, 96 hours 0.03 - 1 mg/l, 48 hours
Fish	LC50	Guppy ( <i>Poecilia reticulata</i> )	3 mg/l, 24 hours
		Rainbow trout,donaldson trout ( <i>Oncorhynchus mykiss</i> )	> 0.01 mg/l, 96 hours
TRADE SECRET (Proprietary)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea ( <i>Ceriodaphnia dubia</i> )	61.8 - 86.04 mg/l, 48 hours
	LC50	Brine shrimp ( <i>Artemia salina</i> )	2800 mg/l, 24 hours
		Oligochaete, worm ( <i>Lumbriculus variegatus</i> )	100 mg/l, 96 hours > 100 mg/l, 96 hours
		Opossum shrimp ( <i>Americamysis bahia</i> )	207 mg/l, 96 hours
		Ramshorn snail ( <i>Helisoma trivolvis</i> )	> 100 mg/l, 96 hours 100 mg/l, 96 hours
		Scud ( <i>Gammarus fasciatus</i> )	> 100 mg/l, 96 hours 100 mg/l, 96 hours
		Water flea ( <i>Ceriodaphnia dubia</i> )	150 - 250 mg/l, 48 hours 95.9 - 160 mg/l, 48 hours 87.1 - 127.7 mg/l, 48 hours 81 - 124.2 mg/l, 48 hours 63.6 - 93.7 mg/l, 48 hours 26.5 - 36.2 mg/l, 48 hours 22.6 - 34.6 mg/l, 48 hours 22.2 - 39.1 mg/l, 48 hours 18.2 - 47.8 mg/l, 48 hours 10 - 37 mg/l, 168 hours
		Water flea ( <i>Daphnia magna</i> )	250 - 418 mg/l, 48 hours 208 - 268 mg/l, 24 hours 180 mg/l, 24 hours 170 mg/l, 24 hours 154 - 196 mg/l, 24 hours

Components		Species	Test results
			140 - 180 mg/l, 24 hours
			119.5 - 155.2 mg/l, 48 hours
			114 - 151 mg/l, 48 hours
			110.4 - 139.4 mg/l, 48 hours
			101 - 134 mg/l, 48 hours
			100 mg/l, 96 hours
			> 100 mg/l, 96 hours
			97.1 - 124 mg/l, 48 hours
			96.3 - 124.6 mg/l, 48 hours
			92.9 - 127 mg/l, 48 hours
			67.7 - 89.5 mg/l, 48 hours
			44 - 68 mg/l, 48 hours
			24 - 48 mg/l, 264 hours
		Water flea ( <i>Daphnia pulex</i> )	2.64 mg/l, 48 hours
			2.15 mg/l, 48 hours
Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> )	2100 mg/l, 24 hours
			1850 mg/l, 48 hours
		Carp ( <i>Leuciscus idus melanotus</i> )	1850 mg/l, 48 hours
			1430 mg/l, 48 hours
		Fathead minnow ( <i>Pimephales promelas</i> )	4461 - 4981 mg/l, 96 hours
			1360 - 1630 mg/l, 96 hours
			1300 - 1990 mg/l, 96 hours
			1200 - 1580 mg/l, 96 hours
			> 100 mg/l, 96 hours
			100 mg/l, 96 hours
		Goldfish ( <i>Carassius auratus</i> )	> 5000 mg/l, 24 hours
			800 mg/l, 24 hours
		Sheepshead minnow ( <i>Cyprinodon variegatus</i> )	> 540 mg/l, 24 hours
			> 540 mg/l, 48 hours
			> 540 mg/l, 72 hours
			> 540 mg/l, 96 hours
		Western mosquitofish ( <i>Gambusia affinis</i> )	1800 mg/l, 24 hours
			1550 mg/l, 48 hours
			1400 mg/l, 96 hours
			560 mg/l, 6 days
Other	LC50	Turbellarian, flatworm ( <i>Dugesia tigrina</i> )	> 100 mg/l, 96 hours
			100 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

**12.2. Persistence and degradability** No data is available on the degradability of this product.

**12.3. Bioaccumulative potential** Not available.

**Partition coefficient n-octanol/water (log Kow)**

ETHYLENEGLYCOLMONOMETHYL ETHER	-0.77
TRADE SECRET	-1.43
Iodine	2.49

**Bioconcentration factor (BCF)** Not available.



<b>12.4. Mobility in soil</b>	Not available.
<b>12.5. Results of PBT and vPvB assessment</b>	Not a PBT or vPvB substance or mixture.
<b>12.6. Other adverse effects</b>	Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>Residual waste</b>	Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the ground.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>EU waste code</b>	Waste codes should be assigned by the user based on the application for which the product was used.
<b>Disposal methods/information</b>	Consult authorities before disposal. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.

## SECTION 14: Transport information

### ADR

<b>14.1. UN number</b>	UN1188
<b>14.2. UN proper shipping name</b>	Ethylene glycol monomethyl ether
<b>14.3. Transport hazard class(es)</b>	3
<b>Subsidiary class(es)</b>	-
<b>14.4. Packing group</b>	III
<b>14.5. Environmental hazards</b>	No
<b>Tunnel restriction code</b>	Not available.
<b>Labels required</b>	3
<b>14.6. Special precautions for user</b>	Not available.

### RID

<b>14.1. UN number</b>	UN1188
<b>14.2. UN proper shipping name</b>	Ethylene glycol monomethyl ether
<b>14.3. Transport hazard class(es)</b>	3
<b>Subsidiary class(es)</b>	-
<b>14.4. Packing group</b>	III
<b>14.5. Environmental hazards</b>	No
<b>Labels required</b>	3
<b>14.6. Special precautions for user</b>	Not available.

### ADN

<b>14.1. UN number</b>	UN1188
<b>14.2. UN proper shipping name</b>	Ethylene glycol monomethyl ether
<b>14.3. Transport hazard class(es)</b>	3
<b>Subsidiary class(es)</b>	-
<b>14.4. Packing group</b>	III
<b>14.5. Environmental hazards</b>	No
<b>Labels required</b>	3
<b>14.6. Special precautions for user</b>	Not available.

### IATA

<b>14.1. UN number</b>	UN1188
<b>14.2. UN proper shipping name</b>	Ethylene glycol monomethyl ether
<b>14.3. Transport hazard class(es)</b>	3
<b>Subsidiary class(es)</b>	-

<b>14.4. Packing group</b>	III
<b>14.5. Environmental hazards</b>	Not available.
<b>Labels required</b>	Not available.
<b>ERG Code</b>	3L
<b>14.6. Special precautions for user</b>	Not available.

#### IMDG

<b>14.1. UN number</b>	UN1188
<b>14.2. UN proper shipping name</b>	Ethylene glycol monomethyl ether
<b>14.3. Transport hazard class(es)</b>	3
<b>Subsidiary class(es)</b>	-
<b>14.4. Packing group</b>	III
<b>14.5. Environmental hazards</b>	
<b>Marine pollutant</b>	No
<b>Labels required</b>	Not available.
<b>EmS No.</b>	F-E, S-D
<b>14.6. Special precautions for user</b>	Not available.
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	This substance/mixture is not intended to be transported in bulk.

ADN; ADR; IATA; IMDG; RID



## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulations

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I**

Not listed.

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II**

Not listed.

**Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I as amended**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA**

ETHYLENEGLYCOLMONOMETHYL ETHER (CAS 109-86-4)

#### Authorisations

## Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorisation

Not listed.

### Restrictions on use

#### Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

#### Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Not regulated.

#### Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

ETHYLENEGLYCOLMONOMETHYL ETHER (CAS 109-86-4)

### Other EU regulations

#### Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not regulated.

#### Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

ETHYLENEGLYCOLMONOMETHYL ETHER (CAS 109-86-4)

Iodine (CAS 7553-56-2)

SULFUR DIOXIDE (CAS 7446-09-5)

TRADE SECRET (CAS Proprietary)

#### Directive 94/33/EC on the protection of young people at work

ETHYLENEGLYCOLMONOMETHYL ETHER (CAS 109-86-4)

SULFUR DIOXIDE (CAS 7446-09-5)

TRADE SECRET (CAS Proprietary)

### Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

### National regulations

Not available.

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

### List of abbreviations

Not available.

### References

Not available.

### Information on evaluation method leading to the classification of mixture

Not available.

### Wording of the R-phrases in sections 2 and 3

R10 Flammable.

R20/21 Harmful by inhalation and in contact with skin.

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R22 Harmful if swallowed.

R23 Toxic by inhalation.

R34 Causes burns.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

R50 Very toxic to aquatic organisms.

R60 May impair fertility.

R61 May cause harm to the unborn child.

### Revision information

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING:

Alternate Trade Names

Hazards Identification: Shared US and Canadian Categories

Composition/Information on Ingredients: Ingredients

Fire Fighting Measures: Fire & Explosion Properties

Physical & Chemical Properties: Physical & Chemical Properties

TRANSPORT INFORMATION: Product Shipping Name/Packing Group

REGULATORY INFORMATION: Risk Phrases - Labeling

### Training information

Not available.

**Disclaimer**

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