

	SAFETY DATA SHEET Nova Molecular Technologies, Inc.	
	OMNI 10	Date Issued: 5 May 2015
		SDS No: NMTXXXXXXX


1. PRODUCT and COMPANY IDENTIFICATION

PRODUCT NAME: ONMI 10	24 HR. EMERGENCY TELEPHONE NUMBERS
GENERAL USE: Industrial Solvent	Emergency Phone: 800-445-6682
GENERIC NAME: mixture	For emergency, spill, leak, fire, exposure or accident, call: CHEMTREC: 1-800-424-9300
DISTRIBUTOR:	Outside of the United States, call: 703-527-3887 (collect calls accepted)
Nova Molecular Technologies, Inc.	
208 South Magnolia	
Sumter, SC 29150	

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Classification of the substance or mixture	GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Flammable liquids (Category 3), H226 Acute toxicity, Oral (Category 4), H302 Skin irritation (Category 2), H315 Serious eye damage (Category 1), H318 Specific target organ toxicity - single exposure (Category 3), Respiratory system, Central nervous system, H335, H336	
For the full text of the H-Statements mentioned in this Section, see Section 16.	

GHS LABEL	
SIGNAL WORD:	Danger
HAZARD STATEMENTS	
H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways
H312 + H332	Harmful in contact with skin or if inhaled
H315	Causes skin irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
Precautionary statement(s)	
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.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.

P241	Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/ eye protection/ face protection.
P281	Use personal protective equipment as required.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P312	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician If you feel unwell.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P331	Do NOT induce vomiting.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P391	Collect spillage.
P403 + P235	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Toluene	32 - 48%	108-88-3
Acetone	20 - 32%	67-64-1
Methanol	8 - 20%	67-56-1
Lactol	0 - 16%	64742-89-8
Methyl Acetate	0 - 16%	79-20-9
Isopropanol	0 - 8%	67-63-0
Glycol Ether EB	0 - 4%	111-76-2

4. FIRST AID MEASURES

EYES:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
SKIN:	Wash off with soap and plenty of water. Consult a physician.
INGESTION:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician
INHALATION:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

NOTES TO PHYSICIAN:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	No data available

5. FIRE FIGHTING MEASURES

Extinguishing media	
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	Carbon oxides
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods and materials for containment and cleaning up	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).
Reference to other sections	For disposal see section 13.
SPECIAL PROTECTIVE EQUIPMENT: EMERGENCY & NON-EMERGENCY RESPONDERS	Refer to Section 13 of this SDS for appropriate exposure controls and personal protective equipment (PPE).

7. HANDLING AND STORAGE

GENERAL PROCEDURES:	Handle in accordance with good industrial hygiene and safety practices. These practices include but are not limited to avoiding unnecessary exposure and prompt removal of material from eyes, skin and clothing. Do not breathe material. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. If needed, take first aid actions as indicated in Section 4 of this SDS.
HANDLING:	Use only with adequate ventilation. Wear appropriate personal protective equipment and use exposure controls as indicated in Section 8 of this SDS. Avoid contact with skin and eyes. Avoid breathing gas. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Do not reuse container. Remove contaminated clothing

	immediately. Wash with soap and water after working with this product.
STORAGE:	Keep in airtight container away from all heat sources. Store in a segregated and approved area. Store in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Keep container in a well-ventilated area. Store away from incompatible materials. Store in the original container or an approved alternative made from compatible material. Do not store in unlabeled containers. Treat empty containers in a similar fashion as residual product may exist. Use appropriate containment to avoid environmental contamination.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m
Toluene	TWA	200	375	20	NE
	STEL	150	560	NE	NE
Lactol	TWA	NE	NE	75	300
	STEL	NE	NE	NE	NE
Methanol	TWA	200	260	200	NE
	STEL	NE	NE	250	NE
Isopropanol	TWA	400	980	200	NE
	STEL	NE	NE	400	NE
Glycol Ether EB	TWA	NE	NE	20	130
	STEL	NE	NE	NE	NE
Acetone	TWA	1000	2400	250	NE
	STEL	NE	NE	500	NE
Methyl Acetate	TWA	200	610	NE	NE
	STEL	NE	NE	NE	NE

ENGINEERING CONTROLS:	Provide adequate general and local exhaust ventilation to meet exposure limit requirements. Provide readily accessible eye wash stations and emergency showers. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all
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	instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.
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PERSONAL PROTECTIVE EQUIPMENT	
Eye/face protection	Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Full contact	Material: Fluorinated rubber Minimum layer thickness: 0.7 mm Break through time: 480 min Material tested: Vitoject® (KCL 890 / Aldrich Z677698, Size M)
Splash contact	Material: Fluorinated rubber Minimum layer thickness: 0.7 mm Break through time: 480 min Material tested: Vitoject® (KCL 890 / Aldrich Z677698, Size M)

WORK HYGIENIC PRACTICES:

Use good personal hygiene practices. Avoid repeated and/or prolonged skin exposure. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove contaminated clothing and launder before reuse. Shower after work using plenty of soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

a. Appearance	Form: clear, liquid Color: colorless
b. Odor	No data available
c. Odor Threshold	No data available
d. pH	No data available
e. Melting point/freezing point	< 0 °C (< 32 °F)
f. Initial boiling point and boiling range	137 - 140 °C (279 - 284 °F) - lit.
g. Flash point	25 °C (77 °F) - closed cup
h. Evaporation rate	No data available
i. Flammability (solid, gas)	No data available
j. Upper/lower flammability or explosion limits	UEL: 7%(V) LEL: 1.1%(V)
k. Vapor pressure	24 hPa (18 mmHg) at 37.70 °C (99.86 °F)
l. Vapor density	3.67 - (Air = 1.0)
m. Relative density	0.86 g/mL at 25 °C (77 °F)
n. Water solubility	No data available
o. Partition coefficient: n-octanol/water	No data available
p. Auto ignition temperature	No data available
q. Decomposition temperature	No data available
r. Viscosity	No data available
s. Explosive properties	No data available
t. Oxidizing properties	No data available
Other safety information	
Relative vapor density	3.67 - (Air = 1.0)

10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapors may form explosive mixture with air
Conditions to avoid	Heat, flames and sparks
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Other decomposition products - No data available In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD50 (rat)	DERMAL LD50 (rabbit)	INHALATION LC50 (rat)
2-Propanol	5,045 mg/kg	12,800 mg/kg	8 h – 16,000 ppm

Skin corrosion/irritation	Skin - Rabbit Result: Mild skin irritation
Serious eye damage/eye irritation	Eyes - Rabbit Result: Eye irritation - 24 h
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. IARC: 3 – Group 3: Not classifiable as to its carcinogenicity to humans (2-Propanol) NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	Inhalation, Oral – May cause drowsiness or dizziness
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Additional Information	RTECS: NT8050000 Central nervous system depression, prolonged or repeated exposure can cause: Nausea, Headache, Vomiting, narcosis, Drowsiness, Overexposure may cause mild, reversible liver effects. Aspiration may lead to: Lung oedema, Pneumonia To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated Kidney – Irregularities – Based on Human Evidence

Kidney – Irregularities – Based on Human Evidence

Chemical Name	ORAL LD50 (rat)	DERMAL LD50 (guinea)	INHALATION LC50 (rat)
Acetone	5800 mg/kg	7,426 mg/kg	50,100 mg/m3

Skin corrosion/irritation	Skin - Rabbit Result: Mild skin irritation - 24 h
Serious eye damage/eye irritation	Eyes - Rabbit Result: Eye irritation - 24 h
Respiratory or skin sensitization	- Guinea pig Result: Does not cause skin sensitization.
Germ cell mutagenicity	No data available
Carcinogenicity	This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	May cause drowsiness or dizziness
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Additional Information	RTECS: AL3150000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Kidney – irregularities – based on human evidence Skin – Dermatitis – Based on human evidence

Chemical Name	ORAL LD50 (rat)	DERMAL LD50 (rabbit)	INHALATION LC50 (rat)
Toluene	> 5,580 mg/kg	12,196 mg/kg	4 h - 12,500 - 28,800 mg/m3

Skin corrosion/irritation	Skin - Rabbit Result: Skin irritation - 24 h
Serious eye damage/eye irritation	Eyes - Rabbit Result: No eye irritation (OECD Test Guideline 405)
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Rat Liver

	DNA damage
Carcinogenicity	IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Toluene) NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity	Damage to fetus possible Suspected human reproductive toxicant
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Additional Information	RTECS: XS5250000 Lung irritation, chest pain, pulmonary edema, Inhalation studies on toluene have demonstrated the development of inflammatory and ulcerous lesions of the penis, prepuce, and scrotum in animals., Central nervous system Stomach - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence

Chemical Name	ORAL LD50 (rat)	DERMAL LD50 (rabbit)	INHALATION LC50 (rat)
Methanol	1,187-2,769 mg/kg	17,100 mg/kg	4 h - 128.2 mg/l

Skin corrosion/irritation	Skin - Rabbit Result: No skin irritation
Serious eye damage/eye irritation	Eyes – Rabbit Result: No eye irritation
Respiratory or skin sensitization	Maximization Test (GPMT) – Guinea pig Does not cause skin sensitization. (OECD Test Guideline 406)
Germ cell mutagenicity	Amers test S. Typhimurium Result: negative In Vitro Assay Fibroblast Result: negative Mutation in mammalian somatic cells. Mutagenicity (in vivo mammalian bone marrow cytogenetic test, chromosomal analysis) Mouse – male and female Result: negative
Carcinogenicity	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

	OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity	Damage to fetus not classifiable Fertility classification not possible from current data.
Specific target organ toxicity - single exposure	Causes damage to organs.
Specific target organ toxicity - repeated exposure	The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Aspiration hazard	No aspiration toxicity classification
Additional Information	RTECS: PC1400000 Methyl alcohol may be fatal or cause blindness if swallowed. Effects due to ingestion may include:, Headache, Dizziness, Drowsiness, metabolic acidosis, Coma, Seizures. Symptoms may be delayed., Damage of the:, Liver, Kidney Stomach - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence

Chemical Name	ORAL LD50 (rat)	DERMAL LD50 (guinea)	INHALATION LC50 (rat)
Methyl acetate	> 5,000 mg/kg	> 5,000 mg/kg	No data available

Skin corrosion/irritation	Skin - Rabbit Result: Mild skin irritation - 24 h
Serious eye damage/eye irritation	Eyes – Rabbit Result: Moderate eye irritation – 24 h
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	May cause drowsiness or dizziness
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Additional Information	RTECS: A19100000 Narcosis, This product is metabolized into formic acid. Humans and other primates metabolize formic acid more slowly than do rodents. Formic acid can build up in the body producing toxic effects possibly leading to death; therefore, data from studies in rodents may have limited relevance for human risk assessment. Stomach - Irregularities - Based on Human Evidence

Stomach - Irregularities - Based on Human Evidence

Chemical Name	ORAL LD50 (rat)	DERMAL LD50 (rat)	INHALATION LC50 (rat)
Glycol Ether EB	470 mg/kg	Intraperitoneal 220 mg/kg Intravenous 307 mg/kg	4 hr 450 ppm
Skin corrosion/irritation	Skin - Rabbit Result: open irritation test		
Serious eye damage/eye irritation	Eyes – Rabbit Result: Moderate eye irritation – 24 h		
Respiratory or skin sensitization	No data available		
Germ cell mutagenicity	No data available		
Carcinogenicity	IARC: 3 Group 3: Not classified as to its carcinogenicity to humans ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.		
Reproductive toxicity	No data available		
Specific target organ toxicity - single exposure	May cause drowsiness or dizziness		
Specific target organ toxicity - repeated exposure	No data available		
Aspiration hazard	No data available		
Additional Information	RTECS: KJ8575000 Human exposure above 200 ppm can be expected to cause narcosis, damage to the kidney and liver and present an abnormal blood picture showing erythropenia, reticulocytosis, granulocytosis, leukocytosis, and would be likely to cause fragility of erythrocytes and hematuria. Swallowing of 2-butoxyetanol results in a sour taste that turns to a burning sensation and is followed by numbness of the tongue which indicates paralysis of the sensory nerve endings. Central nervous system depression, headache and narcosis. Stomach – irregularities – based on human evidence.		

12. ECOLOGICAL INFORMATION

TOLUENE	
Toxicity	
Toxicity to fish	LC50 - Oncorhynchus mykiss (rainbow trout) - 7.63 mg/l - 96 h NOEC - Pimephales promelas (fathead minnow) - 5.44 mg/l - 7 d
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 8.00 mg/l - 24 h

	Immobilization EC50 - Daphnia magna (Water flea) - 6 mg/l - 48 h
Toxicity to algae	EC50 - Chlorella vulgaris (Fresh water algae) - 245.00 mg/l - 24 h EC50 - Pseudokirchneriella subcapitata (green algae) - 10.00 mg/l - 24 h
Persistence and degradability	No data available
Biodegradability	Result: - Readily biodegradable
Bio-accumulative potential	Bioaccumulation Leuciscus idus (Golden orfe) - 3 d - 0.05 mg/l Bioconcentration factor (BCF): 90
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

ACETONE	
Toxicity	
Toxicity to fish	LC50 - Oncorhynchus mykiss (rainbow trout) - 5,540 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	LC50 - Daphnia magna (Water flea) - 8,800 mg/l - 48 h
Toxicity to algae	No data available
Persistence and degradability	
Biodegradability	Result: 91 % - Readily biodegradable. (OECD Test Guideline 301B)
Bioaccumulative potential	Does not bio-accumulate.
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects	No data available

METHANOL	
Toxicity	
Toxicity to fish	Mortality LC50 – Lepomis Macrochirus (Bluegill) – 15,400.0 mg/l – 96 h NOEC – Oryzias latipes – 7,900 mg/l – 200 h
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - > 10,000.00 mg/l - 48 h
Toxicity to algae	Growth inhibition EC50 - Scenedesmus capricornutum (fresh water algae) – 22,000.0 mg/l – 96 h
Persistence and degradability	No data available
Biodegradability	Aerobic – Exposure time 5 d Result: 72% - rapidly biodegradable Biochemical Oxygen Demand (BOD) Demand (BOD) Theoretical oxygen demand 600 – 1,120 mg/g 1,420 mg/g 1,500 mg/g
Bio-accumulative potential	Bio-accumulation Cyprinus carpio (carp) – 72 d At 20 °C - 5 mg/l Bio-concentration factor (BCF):1.0
Mobility in soil	Will not adsorb on soil.
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects	Additional ecological information Avoid release to the environment.

ISOPROPANOL	
Toxicity	
Toxicity to fish	LC50 - Pimephales promelas (fathead minnow) - 9,640.00 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 5,102.00 mg/l - 24 h Immobilization EC50 – Daphnia magna (water flea) – 6,851 mg/l -24 h
Toxicity to algae	EC50 - Desmodesmus subspicatus (green algae) - > 2,000.00 mg/l - 72 h EC50 - Algae - > 1,000.00 mg/l - 24 h
Persistence and degradability	No data available
Biodegradability	No data available
Bio-accumulative potential	No bioaccumulation is to be expected (log Pow <= 4).
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects	No data available

METHYL ACETATE	
Toxicity	
Toxicity to fish	- Danio rerio (zebra fish) - 250 - 350 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 700 - 1,000 mg/l - 24 h
Toxicity to algae	No data available
Persistence and degradability	No data available
Biodegradability	No data available
Bio-accumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects	No data available

GLYCOL ETHER EB	
Toxicity	
Toxicity to fish	LC-50 (Oncorhynchus mykiss, 96 h): 1474 mg/l
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 1,550 mg/l - 48 h
Toxicity to algae	No data available
Persistence and degradability	No data available
Biodegradability	90.4% (28 d) readily biodegradable
Bio-accumulative potential	Potential to accumulate is low
Mobility in soil	Expected to partition to water
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects	No data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	
Product	Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging	Dispose of as unused product

14. TRANSPORT INFORMATION

DOT (US)					
UN number:	1993	Class:	3	Packing Group:	II
Proper shipping name:	Flammable Liquid n.o.s.(toluene, acetone)				
Reportable Quantity (RQ):	5000 lbs.				
Poison inhalation hazard:	No				

IMDG							
UN number:	1993	Class:	3	Packing Group:	II	EMS-No:	S-D
Proper shipping name:	Flammable Liquid n.o.s.(toluene, acetone)						

IATA							
UN number:	1993	Class:	3	Packing Group:	II		
Proper shipping name:	Flammable Liquid n.o.s.(toluene, acetone)						

15. REGULATORY

Information United States	
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	The following components are subject to reporting requirements of Sara Title III, Section 302. 2-Propanol
SARA 311/312 Components	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
Massachusetts Right To Know Components	Acetone Toluene Methanol
Pennsylvania Right To Know Components	2-Propanol Ethanol Methyl acetate
New Jersey Right To Know Components	Ethylene Glycol Ether EB
California Prop. 65 Components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER

INFORMATION	
Full text of H-Statements referred to under sections 2 and 3.	
Acute Tox	Acute Toxicity
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Asp Tox	Aspiration hazard

Flam Liq	Flammable liquids
H225	Highly flammable liquids and vapor
H226	Flammable liquids
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H312 + H332	Harmful in contact with skin or if inhaled
H315	Causes skin irritation
H332	Harmful if inhaled
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged and repeated exposure
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
Skin Irri	Skin irritation
STOT RE	Specific target organ toxicity – repeated exposure
HMIS RATING	
Health Hazard	2
Chronic health hazard	*
Flammability	3
Physical hazard	0
NFPA RATING	
Health Hazard	2
Fire Hazard	3
Reactivity hazard	0

DATA**SOURCES:****REFERENCES**

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US DOT; Pipeline and Hazardous Materials Safety Administration. 2008 Emergency Response Guidebook. Neenah, WI. J.J. Keller & Associates, Inc. 2008.

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ADDITIONAL SDS INFORMATION:**KEY /LEGEND**

ACGIH - American Conference of Governmental Industrial Hygienists

ADR - Agreement on Dangerous Goods by Road

CAA - Clean Air Act

CAS - Chemical Abstracts Service Registry Number

CDG - Carriage of Dangerous Goods By Road and Rail Manual

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

CFR - Code of Federal Regulations

EINECS - European Inventory of Existing Chemical Substances Registry Number

ERG - Emergency Response Guidebook

EPCRA - Emergency Planning and Community Right-to-Know Act

GHS - Globally Harmonized System of Classification and Labeling of Chemicals

IARC - International Agency for Research on Cancer

IATA - International Air Transport Association

ICAO - International Civil Aviation Organization

IMDG - International Maritime Dangerous Goods Code

IMO - International Maritime Organization
N/E - Not Established
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration
PEL - Permissible Exposure Limit
PPE - Personal Protective Equipment
RCRA - Resource Conservation and Recovery Act
RID - Regulations Concerning the International Transport of Dangerous Goods by Rail

RQ - Reportable Quantities
SARA - Superfund Amendments and Reauthorization Act of 1986
SDS - Safety Data Sheet
TCC - Tag Closed Cup
TDG - Transportation of Dangerous Goods
TLV - Threshold Limit Value
TSCA - Toxic Substance Control Act
UN/NA - United Nations / North American Number
UNECE - United Nations Economic Commission for Europe
US DOT - United States Department of Transportation
US EPA - United States Environmental Protection Agency
Vol. - Volume
WHMIS - Workplace Hazardous Materials Information System

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