R8

R8 GEL POLISH

Colour Number: ALL COLOURS

INGREDIENTS:
Polyurethane Acrylate Oligomer, HEMA, TPO, Butyl Acetate,
Ethyl Acetate, Titanium dioxide, D & C yellow #10, D & C Black #2

WARNING:
Avoid direct heat or sunlight. Avoid contact with eyes.
Do not apply to infected or inflamed nails.
FOR PROFESSIONAL USE ONLY

Developed for VIKAMI

Directions for use:
Lightly buff natural nail. Wipe nail surface with nail cleanser.
Apply one coat of base coat gel and cure.
Apply 1st coat of colour gel and cure.
Apply 2nd coat of colour gel (if required) and cure.
Apply non-cleanse top coat gel and cure.
(If regular top coat gel applied, then remove tacky residue layer with nail cleanser)
Curing Time: LED-30 Sec. / UV-120 Sec.

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SECTION 1. IDENTIFICATION

Product identifier used on the label
: **S5 & R8 Gel Polish**

Product Code(s) : None assigned.

Recommended use of the chemical and restrictions on use
: Nail Coating .
Recommended restrictions None known.

Chemical family : Mixture of: Acrylates

Name, address, and telephone number of the supplier:

Vikami

#15 - 1011 57 Ave. NE
Calgary, AB, Canada
T2E 8X9

Supplier's Telephone # : 403-207-0208

24 Hr. Emergency Tel # : Not available.

Name, address, and telephone number of the manufacturer:

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Various colours. Acrylate odour.

This product is sold as a personal care item that is safe for consumers and other users under normal and reasonably foreseeable use. As such, it is not regulated under Hazcom 2012/WHMIS 2015 labeling and SDS requirements do not apply.

The below WHMIS 2015 classification and labeling information is being provided for informational purposes.

Hazard classification:
Flammable liquid - Category 3
Skin sensitiser - Category 1
Eye damage/irritation - Category 2A
Reproductive Toxicity - Category 2

Label elements

Hazard pictogram(s)

Signal Word

DANGER!

Hazard statement(s)

Flammable liquid and vapour.
May cause allergic skin reaction.
Causes serious eye irritation.
Suspected of damaging fertility or the unborn child.

SAFETY DATA SHEET

Precautionary statement(s)

Keep away from heat, sparks and open flame. - No smoking.
Keep container closed.
Ground/Bond container and receiving equipment.
Use explosion-proof electrical and ventilating equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves and eye/face protection.
Avoid breathing fumes.
Contaminated work clothing must not be allowed out of the workplace.
Wash hands and face thoroughly after handling.
Use only outdoors or in a well-ventilated area.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Wash contaminated clothing before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use water fog, dry chemical, CO2 or 'alcohol' foam to extinguish.

Store in a well-ventilated place.
Keep cool.
Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

Other hazards which do not result in classification:

Burning produces obnoxious and toxic fumes.
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Ecological information:

Not expected to have long-lasting aquatic effects. Avoid release to the environment. See Section 12 for more environmental information.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	Common name and synonyms	CAS #	Concentration (% by weight)
2-Propenoic acid, 2-methyl-, 7,7,9(or 7,9,9) -trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,	Di-HEMA trimethylhexyl dicarbamate	72869-86-4	**60.0 - 100.0**
2-Hydroxyethyl methacrylate	HEMA	868-77-9	**10.0 - 30.0**
2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol	Hydroxypropyl methacrylate	27813-02-1	**10.0 - 30.0**
Trimethylbenzoyl diphenylphosphine oxide	TPO	75980-60-8	**1.0 - 5.0**
Ethyl acetate	Ethyl ethanoate Acetoxyethane	141-78-6	**1.0 - 5.0**
n-Butyl-acetate	1-Acetoxybutane Butyl ethanoate	123-86-4	**1.0 - 5.0**
Isopropanol	Isopropyl alcohol 2-Propanol	67-63-0	**0.5 - 1.0**
Methanone, (1-hydroxycyclohexyl)phenyl-	Hydroxycyclohexyl phenyl ketone	947-19-3	**0.5 - 1.0**

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SECTION 4. FIRST-AID MEASURES

Description of first aid measures

Ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.

Inhalation : Remove exposed person to fresh air immediately. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Call a POISON CENTRE or doctor/physician if you feel unwell.

Skin contact : For skin contact, wash with soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact : Flush eyes with water for at least 15 minutes. Remove contact lenses if present and easy to do. If eye irritation persists: get medical advice/attention.

Most important symptoms and effects, both acute and delayed

: May cause an allergic skin reaction. Symptoms may include redness, itching and swelling.
Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Suspected of damaging fertility or the unborn child.

Indication of any immediate medical attention and special treatment needed

: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

: Carbon dioxide (CO2); Dry chemical; Alcohol resistant foam.

Unsuitable extinguishing media

: Water may be ineffective when fighting fires involving this material.
Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture / Conditions of flammability

: Flammable liquid and vapour. Vapors may form explosive mixtures with air. Vapors are heavier than air and may spread along floors. Vapors may travel considerable distance to a source of ignition and flash back. Product may float, and be re-ignited at the water's surface. Burning produces obnoxious and toxic fumes. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

Flammability classification (OSHA 29 CFR 1910.106)

: Flammable liquid - Category 3

Hazardous combustion products

: Carbon oxides and other irritating fumes and smoke.

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special fire-fighting procedures

: Avoid breathing mist, vapors or spray. Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Remove all sources of ignition. Ventilate the area. Restrict access to area until completion of clean-up. Keep people away from and upwind of spill/leak. Do not touch or walk through spilled material. All persons dealing with the clean-up should wear the appropriate personal protective equipment. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

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Methods and material for containment and cleaning up

: Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so.
Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Wash residues from area with soap and water, and rinse.

For Large Spills: Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand). Use only non-sparking tools and equipment in the clean-up process. Pick up and transfer to properly labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product.
Refer to Section 13 for disposal of contaminated material. Contact the proper local authorities.

Special spill response procedures

: In case of a transportation accident, in the United States contact CHEMTREC at 1-800-424-9300 or International at 1-703-527-3887. EPA/CERCLA Reportable quantity (RQ): See section 15.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

: Persons with recurrent skin eczema or sensitization problems should be excluded from working with this product. Once a person is sensitized, no further exposure to the material that caused the sensitization should be permitted.
Use in a well-ventilated area. Wear suitable protective equipment. Wear suitable gloves and eye/face protection.
Avoid breathing mist, vapors or spray. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash hands and face thoroughly after handling. Wash contaminated clothing before reuse. Contaminated work clothing must not be allowed out of the workplace.
Keep away from heat, sparks and open flame. - No smoking. Ground all equipment during handling. Use only non-sparking tools with this material. Take precautionary measures against static discharges. Keep away from incompatibles. Keep containers closed when not in use.
Empty containers retain residue (liquid and/or vapour) and can be dangerous.

Conditions for safe storage : Store in a well-ventilated place. Keep cool. Store locked up. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. No smoking.

Incompatible materials : Oxidizing agents. Bases. Peroxides. Reducing agents.

SAFETY DATA SHEET

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Chemical Name	ACGIH TLV		OSHA PEL	
	TWA	STEL	PEL	STEL
2-Propenoic acid, 2-methyl-, 7,7,9(or 7,9,9) -trimethyl-4,13-dioxo-3,14-dioxa-5 ,12-diazahexadecane-1,	N/Av	N/Av	N/Av	N/Av
2-Hydroxyethyl methacrylate	N/Av	N/Av	N/Av	N/Av
2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol	N/Av	N/Av	N/Av	N/Av
Trimethylbenzoyl diphenylphosphine oxide	N/Av	N/Av	N/Av	N/Av
Ethyl acetate	400 ppm	N/Av	400 ppm (1400 mg/m³)	N/Av
n-Butyl-acetate	50 ppm	150 ppm	150 ppm (710 mg/m³)	N/Av
Isopropanol	200 ppm	400 ppm	400 ppm (980 mg/m³)	N/Av
Methanone, (1-hydroxycyclohexyl)phenyl-	N/Av	N/Av	N/Av	N/Av

Exposure controls

Ventilation and engineering measures
: Use only in well-ventilated areas. General mechanical ventilation and explosion-proof local exhaust is required for use with this product. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory protection : If airbourne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02. Advice should be sought from respiratory protection specialists.

Skin protection : Wear protective gloves. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye / face protection : Wear eye/face protection. Chemical splash goggles are recommended. A full face shield may also be necessary.

Other protective equipment : Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

General hygiene considerations
: Avoid breathing fumes. Wash hands thoroughly after using this product, and before eating, drinking or smoking. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Various colours.
Odour : Acrylate odour.
Odour threshold : N/Av
pH : N/Ap
Melting/Freezing point : Not available.
Initial boiling point and boiling range
: Not available
Flash point : 49°C (120.2°F)

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Flashpoint (Method) : Closed cup
Evaporation rate (BuAe = 1) : N/Av
Flammability (solid, gas) : N/Ap
Lower flammable limit (% by vol.)
: N/Av
Upper flammable limit (% by vol.)
: N/Av
Oxidizing properties : None known.
Explosive properties : Not explosive
Vapour pressure : <0.01 mm Hg @
Vapour density : Not available.
Relative density / Specific gravity
: 1.1-1.14
Solubility in water : insoluble
Other solubility(ies) : Not available.
Partition coefficient: n-octanol/water or Coefficient of water/oil distribution
: Not available.
Auto-ignition temperature : Not available.
Decomposition temperature : N/Av
Viscosity : 1500-6000 mPa.s
Volatiles (% by weight) : N/Av
Volatile organic Compounds (VOC's)
: N/Av
Absolute pressure of container
: N/Ap
Flame projection length : N/Av
Other physical/chemical comments
: None known or reported by the manufacturer.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not expected to be reactive.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions
: No dangerous reaction known under conditions of normal use.
Conditions to avoid : Contact with incompatible materials. Avoid heat, open flames, sparks, static electricity and electrical equipment. Do not use in areas without adequate ventilation.
Incompatible materials : See Section 7 (Handling and Storage) for further details.
Hazardous decomposition products
: None known, refer to hazardous combustion products in Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : YES
Routes of entry skin & eye : YES
Routes of entry Ingestion : YES
Routes of exposure skin absorption
: NO

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

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: May be irritating to mouth, nose and throat. Inhalation of high concentrations of vapors, may cause respiratory irritation, with throat discomfort, coughing or difficulty breathing.

Sign and symptoms ingestion

: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sign and symptoms skin : Direct skin contact may cause slight or mild, transient irritation.

Sign and symptoms eyes : Causes serious eye irritation. Lachrymation Symptoms may include stinging, tearing, redness, swelling and blurred vision.

Potential Chronic Health Effects

: Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Mutagenicity : Not expected to be mutagenic in humans.

Carcinogenicity : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects & Teratogenicity

: This material is classified as hazardous under Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Reproductive Toxicity - Category 2 Suspected of damaging fertility or the unborn child.

Sensitization to material : This material is classified as hazardous under Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Classification:
Skin sensitiser-Category 1 May cause an allergic skin reaction.
Symptoms may include redness, itching and swelling.

Specific target organ effects : This material is not classified as hazardous under Canadian WHMIS regulations (Hazardous Products Act) (WHMIS 2015)

Medical conditions aggravated by overexposure

: Pre-existing skin, eye and respiratory disorders.

Synergistic materials : No information available.

Toxicological data : Not classified for acute toxicity based on available data.See below for toxicological data on the substance.

Chemical name	LC_{50}(4hr) inh, rat	LD_{50} (Oral, rat)	LD_{50} (Rabbit, dermal)
2-Propenoic acid, 2-methyl-, 7,7,9(or 7,9,9) -trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,	N/Av	>5000mg/kg	N/Av
2-Hydroxyethyl methacrylate	N/Av	5565 mg/kg	>3000mg/kg
2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol	29.1 mg/L	11200 mg/kg	>5000mg/kg
Trimethylbenzoyl diphenylphosphine oxide	N/Av	>5000 mg/kg	>2000 mg/kg
Ethyl acetate	8000 - 16 000 ppm (28.8 - 57.7 mg/L) (vapour)	10 200 mg/kg	> 18 000 mg/kg
n-Butyl-acetate	> 6867 ppm (32.6 mg/L) (vapour) (No mortality) 1.802 mg/L (aerosol)	10 700 mg/kg	> 5000 mg/kg
Isopropanol	17 000 ppm (41.8 mg/L) (vapour)	4720 mg/kg	12 890 mg/kg
Methanone, (1-hydroxycyclohexyl)phenyl-	>1000 mg/m³	>2500 mg/kg	>2500 mg/kg

Other important toxicological hazards

: None reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity : Not expected to have long-lasting aquatic effects. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.See the following tables for the substance's ecotoxicity data.

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Ecotoxicity data:

Ingredients	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
2-Propenoic acid, 2-methyl-, 7,7,9(or 7,9,9) -trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,	72869-86-4	N/Av	N/Av	None.
2-Hydroxyethyl methacrylate	868-77-9	227 mg/L (Fathead minnow)	N/Av	None.
2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol	27813-02-1	>457mg/L (Fathead minnow)	N/Av	None.
Trimethylbenzoyl diphenylphosphine oxide	75980-60-8	N/Av	N/Av	None.
Ethyl acetate	141-78-6	> 100 mg/L	N/Av	None.
n-Butyl-acetate	123-86-4	18 mg/L (Fathead minnow)	N/Av	None.
Isopropanol	67-63-0	9640 mg/L (Fathead minnow)	N/Av	None.
Methanone, (1-hydroxycyclohexyl)phenyl-	947-19-3	24 mg/L (Zebra fish)	N/Av	None.

Ingredients	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
2-Propenoic acid, 2-methyl-, 7,7,9(or 7,9,9) -trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,	72869-86-4	1.2 mg/L	N/Av	None.
2-Hydroxyethyl methacrylate	868-77-9	380mg/L (Daphnia magna)	24.1mg/L (Daphnia magna)	None.
2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol	27813-02-1	>140mg/L (Daphnia magna)	N/Av	None.
Trimethylbenzoyl diphenylphosphine oxide	75980-60-8	3.53 mg/L (Daphnia magna)	N/Av	None.
Ethyl acetate	141-78-6	> 100 mg/L	2.4 mg/L	None.
n-Butyl-acetate	123-86-4	44 mg/L (Daphnia magna)	23 mg/L (Read-across)	None.
Isopropanol	67-63-0	> 10 000 mg/L/24hr (Daphnia magna)	30 mg/L	None.
Methanone, (1-hydroxycyclohexyl)phenyl-	947-19-3	47 mg/L (Daphnia magna)	N/Av	None.

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Ingredients	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
2-Propenoic acid, 2-methyl-, 7,7,9(or 7,9,9) -trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,	72869-86-4	>0.68 mg/L (Green algae)	N/Av	None.
2-Hydroxyethyl methacrylate	868-77-9	345 mg/L (Green algae)	160 mg/L (Green algae)	None.
2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol	27813-02-1	>97 mg/L (Green algae)	97.2mg/L	None.
Trimethylbenzoyl diphenylphosphine oxide	75980-60-8	2.75 mg/L	N/Av	None.
Ethyl acetate	141-78-6	> 100 mg/L/72hr	N/Av	None.
n-Butyl-acetate	123-86-4	675 mg/L/72hr (Green algae)	200 mg/L/72hr	None.
Isopropanol	67-63-0	N/Av	N/Av	None.
Methanone, (1-hydroxycyclohexyl)phenyl-	947-19-3	0.7 mg/L (Green algae)	N/Av	None.

Persistence and degradability

: Expected to be readily biodegradable.

Bioaccumulation potential : No information available. See the following data for ingredient information.

Components	Partition coefficient n-octanol/water (log Kow)	Bioconcentration factor (BCF)
2-Propenoic acid, 2-methyl-, 7,7,9(or 7,9,9) -trimethyl-4,13-dioxo-3,14-dioxa -5,12-diazahexadecane-1, (CAS 72869-86-4)	N/Av	N/Av
2-Hydroxyethyl methacrylate (CAS 868-77-9)	0.42	1.3
2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (CAS 27813-02-1)	0.97	3.2
Trimethylbenzoyl diphenylphosphine oxide (CAS 75980-60-8)	3.87	18-53
Ethyl acetate (CAS 141-78-6)	0.73	30 (Fish)
n-Butyl-acetate (CAS 123-86-4)	2.3	15.3 (estimated)
Isopropanol (CAS 67-63-0)	0.05	1.0
Methanone, (1-hydroxycyclohexyl)phenyl- (CAS 947-19-3)	2.81	3-12

Mobility in soil : There is no data available for this product.

Other Adverse Environmental effects

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal : Handle in accordance with good industrial hygiene and safety practice. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Refer to protective measures listed in sections 7 and 8.

Methods of Disposal : Dispose in accordance with all applicable federal, state, provincial and local regulations.

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RCRA : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
TDG	UN1993	FLAMMABLE LIQUID, N.O.S. (Ethyl acetate,n-butyl acetate)	3	III	
TDG Additional information	May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass.				
49CFR/DOT	UN1993	FLAMMABLE LIQUID, N.O.S. (Ethyl acetate,n-butyl acetate)	3	III	
49CFR/DOT Additional information	May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass.				
IMDG	UN1993	FLAMMABLE LIQUID, N.O.S. (Ethyl acetate,n-butyl acetate)	3	III	
IMDG Additional information	Consult the IMDG regulations for exceptions.				
ICAO/IATA	UN1993	Flammable liquid, n.o.s. (Ethyl acetate,n-butyl acetate)	3	III	
ICAO/IATA Additional information	Refer to ICAO/IATA Packing Instruction				

Special precautions for user : Keep away from heat, sparks and open flame. - No smoking. Appropriate advice on safety must accompany the package.

Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code.See ECOLOGICAL INFORMATION, Section 12.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: This information is not available.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

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Ingredients	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
2-Propenoic acid, 2-methyl-, 7,7,9(or 7,9,9) -trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,	72869-86-4	Yes	None.	N/Av	No	N/Ap
2-Hydroxyethyl methacrylate	868-77-9	Yes	None.	N/Av	No	N/Ap
2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol	27813-02-1	Yes	None.	N/Av	No	N/Ap
Trimethylbenzoyl diphenylphosphine oxide	75980-60-8	Yes	None.	N/Av	No	N/Ap
Ethyl acetate	141-78-6	Yes	5000 lb/ 2270 kg	None.	No	N/Ap
n-Butyl-acetate	123-86-4	Yes	5000 lb/ 2270 kg	None.	No	N/Ap
Isopropanol	67-63-0	Yes	None.	None.	Yes	1%
Methanone, (1-hydroxycyclohexyl)phenyl-	947-19-3	Yes	None.	N/Av	No	N/Ap

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Flammable; Skin sensitization; Eye irritation; . Reproductive toxicity. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

Ingredients	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
2-Propenoic acid, 2-methyl-, 7,7,9(or 7,9,9) -trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,	72869-86-4	No	N/Ap	No	No	No	No	No	No
2-Hydroxyethyl methacrylate	868-77-9	No	N/Ap	No	No	No	No	No	No
2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol	27813-02-1	No	N/Ap	No	No	No	No	No	No
Trimethylbenzoyl diphenylphosphine oxide	75980-60-8	No	N/Ap	No	No	No	No	No	No
Ethyl acetate	141-78-6	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
n-Butyl-acetate	123-86-4	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Isopropanol	67-63-0	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Methanone, (1-hydroxycyclohexyl)phenyl-	947-19-3	No	N/Ap	No	No	No	No	No	No

Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL). WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

SAFETY DATA SHEET

International Information:

Components listed below are present on the following International Inventory list:

Ingredients	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
2-Propenoic acid, 2-methyl-, 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,	72869-86-4	276-957-5	Present	N/Av	(7)-841	N/Av	Present	N/Av
2-Hydroxyethyl methacrylate	868-77-9	212-782-2	Present	Present	(3)-1044; (2)-1044	KE-25025	Present	HSR003005
2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol	27813-02-1	248-666-3	Present	Present	(2)-1044	KE-25135	Present	HSR003915
Trimethylbenzoyl diphenylphosphine oxide	75980-60-8	278-355-8	Present	Present	(3)-4078	KE-12103	Present	No data available.
Ethyl acetate	141-78-6	205-500-4	Present	Present	(2)-726	KE-00047	Present	HSR001041
n-Butyl-acetate	123-86-4	204-658-1	Present	Present	(2)-735; (2)-731	KE-04179	Present	HSR001091
Isopropanol	67-63-0	200-661-7	Present	Present	(2)-207	KE-29363	Present	HSR001180
Methanone, (1-hydroxycyclohexyl)phenyl-	947-19-3	213-426-9	Present	Present	(4)-1397	KE-20436	Present	HSR003643

SECTION 16. OTHER INFORMATION

Legend : ACGIH: American Conference of Governmental Industrial Hygienists
AICS: Australian Inventory of Chemical Substances
CA: California
CAS: Chemical Abstract Services
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR: Code of Federal Regulations
CSA: Canadian Standards Association
DOT: Department of Transportation
EC50: Effective Concentration 50%
EINECS: European Inventory of Existing Commercial chemical Substances
ENCS: Existing and New Chemical Substances
EPA: Environmental Protection Agency
HSDB: Hazardous Substances Data Bank
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
IBC: Intermediate Bulk Container
ICAO: International Civil Aviation Organisation
IECSC: Inventory of Existing Chemical Substances
Inh: Inhalation
IMDG: International Maritime Dangerous Goods
IOC: Inventory of Chemicals
KECI: Korean Existing Chemicals Inventory
KECL: Korean Existing Chemicals List
LC: Lethal Concentration
LD: Lethal Dose
MA: Massachusetts
MN: Minnesota
N/Ap: Not Applicable
N/Av: Not Available
NIOSH: National Institute of Occupational Safety and Health
NJ: New Jersey
NOEC: No observable effect concentration
NTP: National Toxicology Program
OECD: Organisation for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration
PA: Pennsylvania

SAFETY DATA SHEET

PEL: Permissible exposure limit
PICCS: Philippine Inventory of Chemicals and Chemical Substances
RCRA: Resource Conservation and Recovery Act
RI: Rhode Island
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet / Material Safety Data Sheet
STEL: Short Term Exposure Limit
TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TSCA: Toxic Substance Control Act
TWA: Time Weighted Average
WHMIS: Workplace Hazardous Materials Identification System

References : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2016
2. International Agency for Research on Cancer Monographs, searched 2017
3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2017(Chempendium, HSDB and RTECs).
4. Material Safety Data Sheets from manufacturer.
5. US EPA Title III List of Lists - 2017 version.
6. California Proposition 65 List - 2017 version.
7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal,2017.

Preparation Date (mm/dd/yyyy) : 04/25/2017

Other special considerations for handling : Provide adequate information, instruction and training for operators.

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