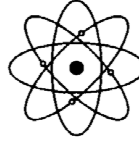


MATERIAL SAFETY DATA SHEET

Date completed: Sept. 12th, 2015

DISTRIBUTED BY Western Ultrasonics
7363 - 42 Street Phone: (780) 462-5858
Edmonton, Alberta Fax: (780) 463-4626
T6B 2T1 www.westernultrasonics.com



Western Ultrasonics Inc.
"The Sound Solution"

PRODUCT NAME: Non Aqueous Solvent **CODE: NAQ**

WHMIS CLASSIFICATION: B3, D2B

TDG CLASSIFICATION: Not Regulated

HAZARDOUS INGREDIENTS	% WT/WT	CAS NO.	TOXICITY DATA (LD50 & LC50)
Van Sol OMS	60-90	64742-48-09	LD50 Oral (rabbit) >5000 mg/kg, LD50 Dermal >2000
d-Limonene	5-20	5989-27-5	LD50 Oral (rat) 4400 mg/kg LD50 Dermal (rabbit) 5000 mg/kg
Dipropylene Glycol Methyl Ether	10-30	34590-94-8	5380 MG/KG (ORL-RAT) 9,510 MG/KG (RABBIT). LC50 of 5200 MG/KG (RAT)
Ethylene Glycol Monobutyl Ether	5-20	111-76-2	470 MG/KG (ORL-RAT) 450 PPM/4 HR (RAT) 25 PPM SKIN 220 MG/KG (DRM-RBT)
Nonyl Phenol Ethoxylates	0.5	9016-45-9	LD50 Oral (rat) 2590mg/kg

PHYSICAL DATA FOR PRODUCT

Physical State: Liquid Sp.Gravity: 0.81 to 0.87 pH: N/A
Odour and appearance Water white to amber colour slight Citrous odour
Boiling Point: Not Avail. Vapour Pressure: < 1 kPa at 38°C
Vapour Density: Not Avail. Evaporation Rate: Not Avail.
Freezing Point: Not Avail. Less than -35°C
Coefficient of water/Oil distribution No DATA

Appearance & Odour: Amber coloured liquid with citrus odor.

FIRE AND EXPLOSION DATA FOR PRODUCT

Conditions of flammability: Not Flammable.

Flash Point (Test Method): 56°C (TCC)

Flammable Limits in Air, % by vol. Lower: Not Avail Upper: Not Avail.

Fire Extinguishing Substances: () Water Fog (X) Foam (X) CO2 (X) Dry Chem () Other:

Flammable Classification: Combustible liquid

Hazardous Combustion Products: Oxides of carbon. Particularly Carbon Monoxide / and Dioxide.

REACTIVITY DATA FOR PRODUCT

Incompatibility: () Water (X) Oxidizing Material () Acid () Base () Other:

Hazardous Decomposition Products: Stable none expected. Combustion will cause carbon dioxide and carbon monoxide.

Chemical Stability: Normally stable to heat, light, air, acids and bases.

*N/A - Not applicable.

HEALTH HAZARD INFORMATION FOR PRODUCT / TOXICOLOGICAL

EMERGENCY and FIRST AID PROCEDURES

Inhalation: Remove sources of contamination or remove victim to fresh air. If breathing has stopped begin artificial respiration immediately. Obtain medical attention immediately.

Eyes: Immediately flush the contaminated eye(s) with warm water for minimum 15 minutes. Obtain medical attention if irritation persists.

Skin: Flush contaminated area with warm water for at least 15 minutes. Under running water remove contaminated clothing, shoes and leather goods if irritation persists. Obtain medical attention.

Ingestion: Never give anything by mouth if victim is unconscious or convulsive. DO NOT INDUCE Vomiting. Have victim drink 300 mls of water to dilute the material. Obtain medical attention immediately.

First Aid comments: Provide general supportive measures (comfort, warmth, rest). Consult a doctor for all exposures except minor instances of inhalation or skin contact.

EFFECTS OF OVEREXPOSURE (Acute and Chronic)

Inhalation: Irritation of nose and throat, headache, nausea, vomiting, dizziness, fatigue, light headedness, irritable behaviour, loss of appetite, reduced coordination and unconsciousness.

Ingestion: Burning sensation in the stomach, damage to the lining of the stomach and intestines. Severe damage if aspirated into the lungs.

Eyes: Vapour can irritate eyes. Liquid can cause severe irritation, reddening, swelling and corneal burns. Effects are normally reversible.

Skin: Contact: Burning sensation on skin, drying and cracking no effects from absorption are expected. Dermal toxicity is NIL.

CHRONIC OVER EXPOSURE EFFECTS

Major health problems from long term exposure are NOT expected.

Eyes: reversible damage to cornea from exposure to concentrated vapour.

Skin: Irritation and dermatitis from prolonged or repeated contact.

Exposure limits No data

Carcinogenicity/ reproductive effects No data available

Toxicological synergistic products No data. available

PREVENTIVE MEASURES

Personal Protective Equipment: Chemical cartridge respirator with organic cartridge for up to 1000 ppm. For emergency or planned entry into unknown concentrations use a self contained breathing apparatus.

Eye and face protection: . . . Chemical goggles or a face mask.

Skin protection Gloves, coveralls and boots etc... as needed to prevent skin exposure.

Specific engineering controls General ventilation is normally adequate for small scale use at room temperature or below. Local exhaust ventilation is normally needed with large scale use or elevated temperatures.

Leak and spill procedures Provide adequate ventilation, protective clothing and respirators. Remove sources of heat and flame. Absorb liquid on dry clay, sand, sawdust or other absorbent material.

Handling procedures and equipment Use minimal quantities in designated areas with adequate ventilation and away from other sources of heat or sparks. Containers should be covered when not in use.

Waste disposal method: Combustible wastes may be burned in an approved incineration facility. Bury or incinerate according to local, provincial and federal regulations. Typically the heating value is recuperated consult your local environmental authorities before disposal.

Handling and Storage Requirements: Store in tightly closed container away from sources of

Product Name: NON-Aqueous solvent

Page 4 of 4

CODE: NAQ

heat and incompatible material in a cool area separate from work areas.

Special shipping information

Transportation of dangerous goods Classification is NON-REGULATED

WHMIS Classification Class B division 3: COMBUSTIBLE LIQUID

Class D division 2 subdivision B: TOXIC MATERIAL

PREPARATION DATE OF MATERIAL SAFETY DATA SHEET

Prepared by

Western Ultrasonics Inc.

7363 - 42nd Street
Edmonton, AB T6B 2T1

Telephone number of preparer

Voice: (780)462-5858
Fax: (780)463-4626
Toll free: (877)373-5858

Date prepared/Re-checked Se
pt

ember 12th , 2015