

SECTION I – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER'S NAME: Durcon Inc.
ADDRESS: 206 Allison Drive, Taylor, Texas
EMERGENCY PHONE NUMBER: (512) 595-8000

PRODUCT NAME: OE Solution

DESCRIPTION: This product is a mixture of commercially available organic materials. This MSDS has been developed from MSDS information provided by the component suppliers.

CHEMICAL FAMILY: Mixture

HAZARD RATING (HMIS):

0 = Least 1 = Slight 2 = Moderate 3 = High 4 = Extreme

Health: 2

Fire: 3

Reactivity: 0

SECTION II – HAZARDOUS INGREDIENTS & REGULATORY INFORMATION

Chemical Name: White Mineral Oil		TLV(ACGIH)	5 mg/ m3
CAS#: 8042-47-5	wt. %: 19.5		(oil mist)
Chemical Name: Mixture of Hydrotreated Petroleum Distillate		TLV(ACGIH)	5 mg/ m3
CAS#: 64742-52-5; 64741-56-6	wt. %: 10.5		(oil mist)
Chemical Name: n-Butyl Acetate		TLV(ACGIH)	20 ppm
CAS# 123-86-4	wt. %: N/A		
Chemical Name: * Toluene		TLV(ACGIH)	50 ppm
CAS # : 108-88-3	wt. %: <1.4		
Chemical Name: Light Aliphatic Solvent Naphtha		TLV(ACGIH)	300 ppm
CAS # : 64742-89-8	wt. %: N/A		
Chemical Name: Acetone		TLV(ACGIH)	750 ppm
CAS # : 67-64-1	wt. %: N/A		
Chemical Name: Isopropanol		TLV(ACGIH)	400 ppm
CAS # : 67-63-0	wt. %: N/A		

SARA Title III Section 313 Supplier Notification

This product contains the indicated <*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

SARA TITLE III INGREDIENTS & CAS	WT%	(REG. SEC.)	RQ(LBS)
Acetone 67-64-1	N/A	(311, 312)	5000
Light Aliphatic Solvent Naphtha 64742-89-8	N/A	(311, 312)	None

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SECTION II – HAZARDOUS INGREDIENTS & REGULATORY INFORMATION CONT.

SARA TITLE III INGREDIENTS & CAS	WT%	(REG. SEC.)	RQ(LBS)
n-Butyl Acetate 123-86-4	N/A	(311, 312)	5000
Isopropanol 67-63-0	N/A	(311, 312)	None
* Toluene 108-88-3	<1.4	(311, 312, 313, RCRA)	1000

SARA SECTION 311/312 HAZARDS: ACUTE HEALTH, FIRE

MATERIAL & CAS	TWA (OSHA)	TLV (ACGIH)	HAP
Acetone 67-64-1	1000ppm	750ppm	No
Light Aliphatic Solvent Naphtha 64742-89-8	500ppm	300ppm	No
n-Butyl Acetate 123-86-4	150ppm	20ppm	No
Isopropanol 67-63-0	400ppm	400ppm	No
Toluene 108-88-3	None known	50ppm	Yes

In addition to the EPA Hazardous Air Pollutants showing 'yes' under 'HAP' above, using manufacturers data, based on EPA method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%)

MATERIAL & CAS	CEILING	STEL (OSHA/ ACGIH)
Acetone 67-64-1	None Known	1000ppm
Light Aliphatic Solvent Naphtha 64742-89-8	None Known	0ppm
Isopropanol 67-63-0	None Known	500ppm

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SECTION III - HAZARDS IDENTIFICATION

EYE & SKIN CONTACT

Primary irritation to skin, defatting, and dermatitis. Absorption thru skin increases exposure. Primary irritation to eyes, redness, tearing, blurred vision. Liquid can cause eye irritation. Wash thoroughly after handling.

INHALATION

Anesthetic. Irritates respiratory track. Acute overexposure can cause serious nervous system depression. Vapor harmful. Breathing vapor can cause irritation.

INGESTION

Harmful or fatal if swallowed. Swallowing can cause abdominal irritation, nausea, vomiting, & diarrhea.

CONDITIONS AGGREGATED

Chronic overexposure can cause damage to kidneys, blood, nerves, liver & lungs. Persons with severe skin, liver or kidney problems should avoid use.

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS

This product has no carcinogens listed by IRAC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%. This product may contain less than 32ppm of Benzene. Not considered hazardous in such low concentrations. Absorption thru skin may be harmful. Studies with laboratory animals indicate this product can cause damage to fetus.

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SECTION IV – FIRST AID PROCEDURES

EYES: Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention without delay.
SKIN: In case of contact with skin immediately remove contaminated clothing. Wash thoroughly with soap & water. Wash contaminated clothing before reuse. (discard contaminated shoes)
INHALATION: After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration.
INGESTION: If swallowed, CALL A PHYSICIAN IMMEDIATELY! Do NOT induce vomiting. Have patient lie down and keep warm. Vomiting may lead to pneumonitis, which may be fatal.

SECTION V – FIRE FIGHTING MEASURES

AUTO IGNITION TEMPERATURE N/A
NFPA CLASS I B LIQUID - HIGHLY COMBUSTIBLE
FLASH POINT: -17C / 0 F (TCC) (Lowest Component)
FLAMMABILITY IN AIR: LEL 1.9%
EXTINGUISHING MEDIA: CO2 or foam fire extinguishers.
SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear (helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.
UNUSUAL FIRE OR EXPLOSION HAZARDS: EXTREMELY FLAMMABLE – VAPORS CAN CAUSE FLASH FIRES
KEEP CONTAINERS TIGHTLY CLOSED
Isolate from oxidizers, heat, sparks, electrical equipment and open flame. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions. Empty container very hazardous! Continue all label precautions!

SECTION VI - ACCIDENTAL RELEASE PROCEDURES

SPILL OR LEAK PROCEDURES: Stop spill at source. Dike area & contain. Clean up remainder with absorbent materials. Mop up & dispose of. Persons without protection should be kept from area until cleaned up.
WASTE DISPOSAL METHOD: Recycle or dispose of observing local, state & Federal health, safety & pollution laws. If questions exist, contact the appropriate agencies.
OTHER PRECAUTIONS: Vapors may ignite explosively & spread long distances. Prevent vapor build-up. Put out pilot lights & turn off heaters, electrical equipment & other ignition sources during use & until all vapors are gone.

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SECTION VII – HANDLING AND STORAGE

HANDLING: Isolate from oxidizers, heat, sparks, electrical equipment & open flame. Use adequate ventilation. Avoid breathing of vapor or spray mist. Avoid contact with skin & eyes. Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse. Avoid free fall of liquid. Ground containers when transferring. Do not flame, cut, saw drill, braze, or weld. Empty container very hazardous! Continue all label precautions.

STORAGE: Vapors may ignite explosively & spread long distances. Prevent vapor build-up. Put out pilot lights & turn off heaters, electrical equipment & other ignition sources during use & until all vapors are gone. Do not store above 49 C/ 120 F. Store large amounts in structures made for OSHA Class I B liquids. Keep container tightly closed & upright when not in use to prevent leakage.

SECTION VIII – EXPOSURE CONTROL/PERSONAL PROTECTION

EXPOSURE CONTROLS: Ventilate to keep vapors of this material below 50ppm. If over TLV, in accordance with 29 CFR 1910.134, use NIOSH approved positive-pressure self-contained breathing apparatus. Consult Safety Equipment Supplier. Use explosion-proof equipment.

VENTILATION:

Local Exhaust:	Necessary
Mechanical (General)	Acceptable
Special	None
Other	None

PERSONAL PROTECTIONS: Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

SECTION IX – PHYSICAL DATA

Appearance:	Liquid, dark brown
Odor:	Keytone, citrus
Boiling Range:	56 91 127 C / 133 196 262 F
Gravity @ 60 F:	
API	47.4
Specific Gravity (water=1)	.791
Pounds/ Gallon	6.587
VOC's (>0.44 lbs/ sq in)	100 Vol. % / 790.8 g/L / 6.587 Lbs/Gal
Total Voc's (TVOC)	100 Vol. % / 790.8 g/L / 6.587 Lbs/Gal
Nonexempt Voc's (CVO)	70 Vol. % / 553.2 g/L / 4.608 Lbs/Gal
Vapor Pressure (mm of Hg)@20 C	89.9
Nonexempt Voc Partial Pressure (mm of Hg@ 20 C)	16.9
Vapor Density (air = 1)	2.6
Water Absorption	Appreciable
Solvent Parameters	
HKB (hydrogen bonding)	27.4
PKB (polarity)	37.0
DKB (dispersion)	35.6
Refractive Index	1.386
Mixed Aniline Point	60 C / 140 F

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SECTION X – STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Isolate from strong oxidizers such as permanganates, chromates & peroxides.

HAZARDOUS DECOMPOSITION ON PRODUCTS: Carbon Monoxide, Carbon Dioxide from burning and smoke on combustion.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION XI – WASTE DISPOSAL

WASTE CLASSIFICATION: Dispose of observing local, state, and federal health, safety, and pollution laws. If questions exist, contact appropriate agencies.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or results to be obtained from the use thereof.
