

Section 1 - Chemical Product and Company Information

Product Name: Repcolite Solvent Blend **SDS:** 7257

COMPANY IDENTITY: Webb Chemical Service Corp.
COMPANY ADDRESS: 2708 Jarman Street
COMPANY CITY: Muskegon Hts., MI 49444
COMPANY PHONE: 1-231-733-2181

EMERGENCY PHONE: CHEMTREC: 1-800-424-9300 (USA)

Section 2 - Hazards Identification

GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Oral Toxicity	4	Oral>300+<=2000mg/kg
Inhalation Toxicity	4	Gases>2500+<=20000ppm, Vapors>10+<=20mg/l, Dusts&mists>1+<=5mg/l
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Reproductive toxin	2	Human or animal evidence possibly with other information
Organ toxin single exposure	3	Transient target organ effects- Narcotic effects- Respiratory tract irritation

GHS Hazards

H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H319	Causes serious eye irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness

GHS Precautions

P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
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
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash face, hands and any exposed skin thoroughly after handling
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P301+P312	If swallowed: Call a doctor, a POISON CENTER if you feel unwell

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing . Rinse skin with water/shower

P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P337+P313 If eye irritation persists, get medical advice/attention

P370+P378 In case of fire: Use alcohol resistant foam, Water spray, carbon dioxide (CO2), dry extinguishing powder to extinguish.

P405 Store locked up

P403+P233 Store in a well ventilated place. Keep container tightly closed

P403+P235 Store in a well ventilated place. Keep cool

P501 Dispose of contents/container to an approved waste disposal plant.

Signal Word: Danger



Section 3 - Composition/Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Methyl ethyl ketone	78-93-3	35-45%
n-Butyl acetate	123-86-4	35-45%
Methyl n-amyl ketone	110-43-0	5-15%
2-Butoxyethanol	111-76-2	5-15%

Section 4 - First Aid Measures

General advice: First aider needs to protect himself. Move out of dangerous area. Take off all contaminated clothing immediately.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Use oxygen as required, provided a qualified operator is present. Call a physician.

Skin contact: Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Call a physician.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician.

Ingestion: Do not induce vomiting without medical advice. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person. Call a physician.

Notes to physician: Treat symptomatically.

Section 5 - Fire Fighting Measures

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide .

Unsuitable extinguishing media: Do not use water jet

Protective equipment and precautions for firefighters: Wear a self-contained positive-pressure breathing apparatus and protective suit. Structural firefighters protective clothing will only provide limited protection.

Specific hazards during firefighting: Extremely flammable. Forms or accumulates static electricity, may cause fire or explosion. Vapors may form explosive mixtures with air. Vapors are heavier than air and may spread along floors. Vapors may travel to areas away from work site before igniting/flashing back to vapor source.

Further information: Keep containers and surroundings cool with water spray. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Flash back possible over considerable distance. NFPA Class 1B flammable liquid.

Acetone/water solutions that contain more than 2.5% acetone have flash points. When the acetone concentration is greater than 8% (by weight) in a closed container, it would be within the flammable range and cause fire or explosion if a source of ignition were introduced.

Section 6 - Accidental Release Measures

Personal precautions: Wear personal protective equipment. Unprotected persons must be kept away. Immediately evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Remove all sources of ignition. Do not swallow. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Discharge into the environment must be avoided. Do not flush into surface water or sanitary sewer system. Do not allow run-off from fire fighting to enter drains or water courses .

Methods for cleaning up: Ventilate the area. No sparking tools should be used. Use explosion-proof equipment. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Section 7 - Handling and Storage

Safe handling advice: Wear personal protective equipment. Use only in well-ventilated areas. Keep container tightly closed. Ensure all equipment is electrically grounded before beginning transfer operations. Keep away from heat and sources of ignition. Use only non-sparking tools. No smoking.

Advice on protection against fire and explosion: Keep away from fire, sparks and heated surfaces. This liquid may form an ignitable vapor-air mixture in closed tanks or containers. This liquid may accumulate static electricity even when transferred into properly grounded containers. Bonding and grounding may be insufficient to remove static electricity.

Static electricity accumulation may be significantly increased by the presence of small quantities of water. Always bond the receiving container to the fill pipe before and during loading, following NFPA-77 and/or API RP 2003 requirements. Automatic gauging devices and other floats in vessels or tanks which contain static accumulating liquids should be electrically bonded to the shell. Bonding and grounding alone may be inadequate to eliminate fire

and explosion hazards associated with electrostatic charges. In addition to bonding and grounding, efforts to mitigate the hazards of an electrostatic discharge may include, but are not limited to, ventilation, inerting and/or reduction of transfer velocities. Always keep the nozzle in contact with the container throughout the loading process. Do not fill any portable containers in or on a vehicle. Special precautions, such as reduced loading rates and increased monitoring, must be observed during "switch loading" operations (i.e. loading this material in tanks or shipping compartments that previously contained middle distillates or similar products). Non-equilibrium conditions may increase the risks associated with static electricity such as tank and container filling, tank cleaning, sampling, gauging, loading, filtering, mixing, agitation, etc. Dissipation of electrostatic charges may be improved with the use of conductivity additives when used with other mitigating efforts, including bonding and grounding. Use explosion-proof equipment. Keep product and empty container away from heat and sources of ignition. Use only non-sparking tools. No smoking.

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Methyl ethyl ketone 78-93-3	200 ppm TWA; 590 mg/m3 TWA	300 ppm STEL 200 ppm TWA; 200 ppm TLV	NIOSH: 200 ppm TWA; 590 mg/m3 TWA 300 ppm STEL; 885 mg/m3 STEL
n-Butyl acetate 123-86-4	150 ppm TWA; 710 mg/m3 TWA	200 ppm STEL; 150 ppm TWA	NIOSH: 150 ppm TWA; 710 mg/m3 TWA 200 ppm STEL; 950 mg/m3 STEL
Methyl n-amyl ketone 110-43-0	100 ppm TWA; 465 mg/m3 TWA	50 ppm TWA	NIOSH: 100 ppm TWA; 465 mg/m3 TWA
2-Butoxyethanol 111-76-2	50 ppm TWA; 240 mg/m3 TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m3 TWA

Protective measures: Ensure that eyewash stations and safety showers are close to the workstation location.

Engineering measures: Use only in an area equipped with explosion proof exhaust ventilation. Prevent vapor buildup by providing adequate ventilation during and after use. Electrical equipment should be protected to the appropriate standard.

Eye protection: Do not wear contact lenses. Wear as appropriate: Safety chemical-resistant goggles or face shield (giving complete protection to eyes).

Hand protection: Solvent-resistant gloves. Gloves must be inspected prior to use. Replace when worn.

Skin and body protection: Wear as appropriate: Solvent-resistant apron and boots, flame retardant antistatic protective clothing. If splashes are likely to occur, wear a protective suit

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirator.

Hygiene measures: When using, do not eat, drink or smoke. Wash hands and face before breaks and immediately after handling the product. Keep working clothes separately. Remove and wash contaminated clothing before re-use. Do not swallow. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing.

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

Appearance:	Liquid Clear
Odor:	Solvent Odor
Vapor Pressure:	Unknown
Odor threshold:	Unknown
Vapor Density:	Unknown
pH	Unknown
Lbs per gallon:	7.05
Melting point:	Unknown
Freezing point:	Unknown
Solubility:	Unknown
Boiling range:	Unknown
Flash point Lowest Component:	21°F
Evaporation rate:	Unknown
Flammability	Unknown
Explosive Limits:	Unknown
Partition coefficient (n-octanol/water):	Unknown
Autoignition temperature:	Unknown
Decomposition temperature:	Unknown
Grams VOC/liter less water	Unknown

Section 10 - Stability and Reactivity

Stability: Stable under normal conditions.

Reactivity: Product Unknown

2-Butoxythanol: May form peroxides in the presence of air.

Methyl Ethyl Ketone: Vapours may form explosive mixture with air

Hazardous polymerisation: Product Unknown

Methyl Ethyl Ketone, 2-Butoxythanol: May form explosive mixture with air.

Conditions to avoid: Heat, flames and sparks. Keep away from direct sunlight. Avoid temperatures above 35 C.

Incompatible materials to avoid: Acids, Aldehydes, Alkalis, Amines, Ammonia, Oxidizing agents, Reducing agents and Chlorine compounds

Hazardous decomposition products: In case of fire hazardous decomposition products may be produced such as: Carbon monoxide and Carbon dioxide (CO₂) and possibly other unidentified organic compounds.

Section 11 - Toxicological Information

Component Toxicity

78-93-3	<u>Methyl ethyl ketone</u> Oral LD50: 2,000 mg/kg (Rat) Dermal LD50: 2,000 mg/kg (Rabbit) Inhalation LC50: 23,500 mg/m3 (Rat)
123-86-4	<u>n-Butyl acetate</u> Dermal LD50: 17,600 mg/kg (Rat) Inhalation LC50: 140 mg/L (Rat)
110-43-0	<u>Methyl n-amyl ketone</u> Oral LD50: 1,600 mg/kg (Rat) Dermal LD50: 13 mL/kg (Rabbit) Inhalation LC50: 2,000 ppm (Rat)
111-76-2	<u>2-Butoxyethanol</u> Oral LD50: 470 mg/kg (Rat) Dermal LD50: 99 mg/kg (Rabbit) Inhalation LC50: 450 ppm (Rat)

Toxicological information appears in this section when such data is available .

Skin irritation: Product unknown

2-Butoxyethanol: Causes skin irritation.

Butyl Acetate: Repeated exposure may cause skin dryness or cracking

Eye irritation: Product unknown

2-Butoxyethanol: Causes serious eye irritation.

Inhalation: Product unknown

2-Butoxyethanol: Target Organs: Central nervous system

Butyl Acetate - Methyl Amyl Ketone: May cause drowsiness or dizziness

Ingestion: Product unknown

Mutagenicity: Not classified based on available information.

STOT - single exposure: Product Unknown

Methyl Amyl Ketone: May cause drowsiness or dizziness

STOT - repeated exposure: Not classified based on available information

Carcinogenicity: Contains no ingredient listed as a carcinogen

Section 12 - Ecological Information

Ecotoxicological information appears in this section when such data is available.

Biodegradation: Product unknown

Methyl Ethyl Ketone: Readily biodegradable. OECD Test Guideline 301D (28 d): > 60 % (literature value)

Methyl Amyl Ketone: Readily biodegradable. Biodegradation: 69 %; Exposure time: 28 d

Butyl Acetate: Readily biodegradable. Biodegradation: 83% Exposure time: 28 d

2-Butoxyethanol: Rapidly degradable. 90.4%. (After 28 days in a ready biodegradability test)

Bioaccumulative potential: Product unknown

Methyl Amyl Ketone: Pow: 95.4; log Pow: 1.98

Mobility in soil: No data available

Component Ecotoxicity

Methyl ethyl ketone	96 Hr LC50 Pimephales promelas: >100 mg/L [static] 48 Hr EC50 Daphnia magna: >100 mg/L [static] 96 Hr EC50 Pseudokirchneriella subcapitata: >100 mg/L [static]
n-Butyl acetate	96 Hr LC50 Pimephales promelas (fathead minnow): 18 mg/l 48 Hr LC50 Daphnia magna (Water flea): 44 mg/l 72 Hr EC50 Pseudokirchneriella subcapitata (green algae): 648 mg/l
Methyl n-amyl ketone	96 Hr LC50 Pimephales promelas (fathead minnow): 131 mg/L ErC50 Selenastrum capricornutum (green algae): 98.2 mg/l
2-Butoxyethanol	96 Hr LC50 Lepomis macrochirus: 1490 mg/L ; 96 Hr LC50 Lepomis macrochirus: 2950 mg/L 48 Hr EC50 Daphnia magna: >1000 mg/L

Section 13 - Disposal Considerations

As the US EPA, state, regional, and other regulatory agencies may have jurisdiction over the disposal of your facility's hazardous waste, it is incumbent upon you, the hazardous waste generator, to learn of and satisfy all the requirements which affect you. Dispose of the hazardous waste at a properly licensed and permitted disposal site or facility. Ensure conformity to all applicable hazardous waste disposal regulations.

The US EPA Hazardous Waste Numbers which follow are applicable to this unadulterated product if the product enters the "waste stream." Refer to Title 40 of the Code of Federal Regulations, Part 261 (40 CFR 261). This part of the Code identifies solid wastes which are subject to regulation under various sections of the Code and which are subject to the notification requirements of Section 3010 of the Resource Conservation and Recovery Act (RCRA).

Section 14 - Transport Information

This material is classified for transport as follows:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Flammable Liquid, N.O..S. (Contains: Methyl Ethyl Ketone, Butyl Acetate)	UN 1993	II	3

Section 15 - Regulatory Information

Additional regulatory listings, where applicable.

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a chemical or chemicals which are subject to the reporting requirements of the Act, and Title 40 of the Code of Federal Regulations, part 372.

Section 16 - Other Information

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System. THIS SDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD). IMPORTANT: Read this SDS before handling & disposing of this product. Pass this information on to employees, customers, & users of this product.

EMPLOYEE TRAINING: Employees should be made aware of all hazards of this material (as stated in this SDS) before handling it.

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