

SAFETY DATA SHEET

1. Identification

Product identifier	PVC PIPE PRIMER
Other means of identification	
SDS number	8
Recommended use	Industrial use.
Recommended restrictions	None known.
Manufacturer / Importer / Supplie	er / Distributor information
Company name	Contech Engineered Solutions, LLC
Address	9025 Centre Pointe Drive West Chester, Ohio 45069, United States
Contact person	Dan Moody
Telephone number	513-645-7055
E-mail	dmoody@conteches.com
Emergency telephone number	1-800-255-3924
2. Hazard(s) identification	

Physical hazards	Flammable liquids	Category 2
Health hazards	Acute toxicity, inhalation	Category 4
	Serious eye damage/eye irritation	Category 2A
	Carcinogenicity	Category 2
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
OSHA defined hazards	Not classified.	

Label elements



Signal word	Danger	
Hazard statement	Highly flammable liquid and vapor. Harmful if inhaled. Causes serious eye irritation. Suspected of causing cancer. May cause respiratory irritation. May cause drowsiness or dizziness.	
Precautionary statement		
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing vapors. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area.	
Response	If exposed or concerned: 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. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. In case of fire: Use appropriate media to extinguish. Call a poison center/doctor if you feel unwell.	
Storage	Store locked up. Store in a well-ventilated place. Keep cool. Keep container tightly closed.	
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.	
Hazard(s) not otherwise classified (HNOC)	Not classified.	

3. Composition/information on ingredients

Mixtures

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Chemical name	CAS number	%
Acetone	67-64-1	20 - 40

Methyl ethyl ketone		78-93-3	20 - 40
Tetrahydrofuran		109-99-9	15 - 35
Cyclohexanone		108-94-1	10 - 30
Composition comments	All concentrations are in percent by weight u percent by volume.	nless ingredient is a gas. Ga	as concentrations are i
4. First-aid measures			
Inhalation	Move to fresh air. If breathing is difficult, give or persists.	e oxygen. Get medical attent	ion if discomfort devel
Skin contact	Immediately flush skin with plenty of water. G Wash clothing separately before reuse.	Set medical attention if irritat	ion develops or persis
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.		
Ingestion	Call a physician or poison control center immediately. DO NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration.		
Most important symptoms/effects, acute and delayed	In high concentrations, vapors are narcotic a nausea. Irritation of eyes and mucous memb Repeated exposure may cause skin dryness	ranes. Ingestion may cause	
Indication of immediate medical attention and special treatment needed	Treat symptomatically. Symptoms may be de	elayed.	
General information	Thermal burns: Flush with plenty of water im not adhere to affected area. Call an ambulan Ensure that medical personnel are aware of protect themselves.	ce. Continue flushing during	transport to hospital.

5. Fire-fighting measures

Suitable extinguishing media	Foam. Dry powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.
Fire-fighting equipment/instructions	Cool containers exposed to flames with water until well after the fire is out. Use standard firefighting procedures and consider the hazards of other involved materials.
6. Accidental release meas	sures
Personal precautions,	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.		
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.		
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.		
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.		
Environmental precautions	Never return spills in original containers for re-use. For waste disposal, see Section 13 of the SDS. Avoid release to the environment.		

7. Handling and storage

Precautions for safe handling

Should be handled in closed systems, if possible. Provide adequate ventilation. Avoid inhalation of vapors and contact with skin and eyes. The product is highly flammable, and explosive vapor/air mixtures may be formed even at normal room temperatures. Ground container and transfer equipment to eliminate static electric sparks. Use non-sparking hand tools and explosion-proof electrical equipment. Do not eat, drink or smoke when using the product. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Store in tightly closed original container in a dry, cool and well-ventilated place. Store away from incompatible materials (See Section 10). Periodically test for peroxide formation on long-term storage.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value	
Acetone (CAS 67-64-1)	PEL	2400 mg/m3	
		1000 ppm	
Cyclohexanone (CAS 108-94-1)	PEL	200 mg/m3	
		50 ppm	
Methyl ethyl ketone (CAS 78-93-3)	PEL	590 mg/m3	
)		200 ppm	
Tetrahydrofuran (CAS 109-99-9)	PEL	590 mg/m3	
,		200 ppm	

US. ACGIH Threshold Limit Values

Components	Туре	Value	
Acetone (CAS 67-64-1)	STEL	750 ppm	
	TWA	500 ppm	
Cyclohexanone (CAS 108-94-1)	STEL	50 ppm	
	TWA	20 ppm	
Methyl ethyl ketone (CAS 78-93-3)	STEL	300 ppm	
	TWA	200 ppm	
Tetrahydrofuran (CAS 109-99-9)	STEL	100 ppm	
	TWA	50 ppm	

US NIOSH Pocket Guide to Chemical Hazards: Recommended exposure limit (REL)

Components	Туре	Value	
Acetone (CAS 67-64-1)	TWA	590 mg/m3	
		250 ppm	
Cyclohexanone (CAS 108-94-1)	TWA	100 mg/m3	
		25 ppm	
Methyl ethyl ketone (CAS 78-93-3)	TWA	590 mg/m3	
/		200 ppm	
Tetrahydrofuran (CAS 109-99-9)	TWA	590 mg/m3	
,		200 ppm	

US NIOSH Pocket Guide to Chemical Hazards: Short Term Exposure Limit (STEL)

Components	Туре	Value
Methyl ethyl ketone (CAS 78-93-3)	STEL	885 mg/m3
		300 ppm
Tetrahydrofuran (CAS 109-99-9)	STEL	735 mg/m3
,		250 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	50 mg/l	Acetone	Urine	*
Cyclohexanone (CAS 108-94-1)	80 mg/l	1,2-Cyclohexan e diol, with hydrolysis	Urine	*
	8 mg/l	Cyclohexanol, with hydrolysis	Urine	*
Methyl ethyl ketone (CAS 78-93-3)	2 mg/l	MEK	Urine	*
Tetrahydrofuran (CAS 109-99-9)	2 mg/l	Tetrahydrofura n	Urine	*
* - For sampling details, ple	ase see the source doo	cument.		
Exposure guidelines				
US - California OELs: Skir	n designation			
Cyclohexanone (CAS 1	,		absorbed throu	•
Methyl ethyl ketone (C/ US - Minnesota Haz Subs	,		absorbed throu	ugh the skin.
Cyclohexanone (CAS 1	108-94-1)	Skin de	signation appli	es.
US - Tennesse OELs: Skir	n designation			
Cyclohexanone (CAS 1 US ACGIH Threshold Lim			absorbed throu	ugh the skin.
	Cyclohexanone (CAS 108-94-1)Can be absorbed through the skin.Tetrahydrofuran (CAS 109-99-9)Can be absorbed through the skin.US NUCLU Destruction of the skin of the			
Cyclohexanone (CAS 1		Can be	absorbed throu	ugh the skin.
Appropriate engineering controls	08-94-1) Can be absorbed through the skin. Use explosion-proof equipment. Ensure adequate ventilation, especially in confined areas. Provide easy access to water supply or an emergency shower.			
Individual protection measure	s, such as personal p	rotective equipmer	nt	
Eye/face protection	Wear safety glasse	es with side shields (or goggles).	
Skin protection				
Hand protection		Wear appropriate chemical resistant gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.		
Other		Wear protective clothing appropriate for the risk of exposure. Anti-static and flame-retardant protective clothing is recommended.		
Respiratory protection		Wear NIOSH approved respirator. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment with combination filter (gas filter/dust filter).		
Thermal hazards	When material is h	eated, wear gloves t	o protect again	st thermal burns.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned.			

9. Physical and chemical properties

Appearance	Liquid.
Physical state	Liquid.
Form	Liquid.
Color	White.
Odor	Solvent.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	151 °F (66.11 °C)
Flash point	60.0 °F (15.6 °C)
Evaporation rate	8 (Butyl acetate = 1)
Flammability (solid, gas)	Not available.

Upper/lower flammability or expl Flammability limit - lower (%)	osive limits 2 %
Flammability limit - upper (%)	11.8 %
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	143 mm Hg (20°C)
Vapor density	Not available.
Relative density	0.91
Solubility(ies)	Completely soluble in water.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable at normal conditions.
Possibility of hazardous reactions	Contact with air and light may form explosive peroxides.
Conditions to avoid	Heat, sparks, flames, elevated temperatures. Protect against direct sunlight.
Incompatible materials	Strong oxidizing agents. Alkalis. Amines. Ammonia. Acids. Chlorine. Chlorinated inorganics (potassium, calcium and sodium hypochlorite). Hydrogen peroxide (H2O2).
Hazardous decomposition products	Carbon oxides. Hydrogen chloride.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Ingestion may cause irritation and malaise.
Inhalation	Harmful if inhaled.
Skin contact	Repeated exposure may cause skin dryness or cracking.
Eye contact	Causes serious eye irritation.
Symptoms related to the physical, chemical and toxicological characteristics	In high concentrations, vapors and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Irritation of eyes and mucous membranes. Ingestion may cause irritation and malaise. Repeated exposure may cause skin dryness or cracking.

Information on toxicological effects

Acute toxicity	Harmful if inhaled.	
Components	Species	Test Results
Acetone (CAS 67-64-1)		
Acute		
Dermal		
LD50	Rabbit	20 ml/kg
Inhalation		
LC50	Rat	50 mg/l, 8 Hours
Oral		
LD50	Rat	5800 mg/kg
Cyclohexanone (CAS 108-	-94-1)	
Acute		
Dermal		
LD50	Rabbit	948 mg/kg
Inhalation		
LC50	Rat	8000 ppm, 4 hours

Components	Species		Test Results	
<i>Oral</i> LD50	Rat		1540 mg/kg	
Methyl ethyl ketone (CAS 78-93-3	3)		0.0	
Acute	,			
Dermal				
LD50	Rabbit		> 8000 mg/kg	
Inhalation				
LC50	Rat		11700 mg/l, 4 Hours	
Oral				
LD50	Rat		2300 - 3500 mg/kg	
Tetrahydrofuran (CAS 109-99-9)				
Acute				
Dermal	Dabbit		0400	
LD50	Rabbit		2100 mg/kg	
Inhalation LC50	Rat		90075 mg/L 1 Hours	
ECSO	Rai		80975 mg/l, 1 Hours	
			62000 mg/l, 2 Hours	
			21000 mg/l, 3 Hours	
_ .			18000 - 22000 mg/l, 4 Hours	
Oral	- /			
LD50	Rat		1650 mg/kg	
Skin corrosion/irritation	May cause sl	kin irritation.		
Serious eye damage/eye irritation	Causes serio	us eye irritation.		
Respiratory sensitization	No data avail	able.		
Skin sensitization	Not a skin se	nsitizer.		
Germ cell mutagenicity	No data available.			
Carcinogenicity	Suspected of	causing cancer.		
IARC Monographs. Overall	Evaluation of 0	Carcinogenicity		
Cyclohexanone (CAS 10		3-94-1) 3 Not classifiable as to carcinogenicity to humans.		
Reproductive toxicity	No data available.			
Specific target organ toxicity - single exposure	May cause re	May cause respiratory irritation. May cause drowsiness or dizziness.		
Specific target organ toxicity - repeated exposure	No data avail	No data available.		
Aspiration hazard	No data avail	able.		
Chronic effects	May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue) and/or damage. May cause damage to the liver and kidneys. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.			
Further information		rbed through the skin.		
12. Ecological information	n			
Ecotoxicity		s not classified as environmentally hazard t large or frequent spills can have a harm	lous. However, this does not exclude the full or damaging effect on the environment.	
Components	-	Species	Test Results	
Acetone (CAS 67-64-1)				
Aquatic				
Fish	LC50	Fathead minnow (Pimephales promelas Rainbow trout,donaldson trout (Oncorhynchus mykiss)	s) > 100 mg/l, 96 hours 4740 - 6330 mg/l, 96 hours	
Cyclohexanone (CAS 108-94	I-1)			
Aquatic Fish	LC50	Fathead minnow (Pimephales promelas	s) 481 - 578 mg/l, 96 hours	

disposal company. US RCRA Hazardous Waste U List: Reference Acetone (CAS 567-64-1) U002 Cyclohexanone (CAS 108-99-4) U057 Methyl ethyl ketone (CAS 5108-99-9) U213 Waste from residues / unused products Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container emptied. 14. Transport information DOT UN number UN1993 UN proper shipping name Flammable liquids, n.o.s. (Acetone, Methyl ethyl ketone) Transport hazard class(es) - Packaging exceptions IB2, T7, TP1, TP8, TP28 Packaging exceptions IB2, T7, TP1, TP8, TP28 Packaging non bulk 202 Packaging non bulk 202 Packaging non bulk 202 Packaging group II UN number UN1993 UN proper shipping name Flammable liquid, n.o.s. (Acetone, Methyl ethyl ketone) Transport hazard class(es) 3 Subsidiary class(es) - Packaging non bulk 202 Packaging non bulk 203 IN proper shipping name Flammable liquid, n.o.s. (Acetone, Methyl ethyl ketone) Transport hazard class(es) 3 Subsidiary class(e	Components		Species	Test Results
Crustacea EC80 Water fea (Daphia magna) 4028 - 6440 mg/l, 48 hours Fish LC50 Sheepshead minnow (Cyprinodo) > 400 mg/l, 96 hours Tatrahydrofuran (CAS1 109-98-J) Aquit - - Aquit - - - - Partistone configradability No data available - - - Bioscumulative potential Partistone configradability No data available - <td< th=""><th>Methyl ethyl ketone (CAS 78-9</th><th>93-3)</th><th></th><th></th></td<>	Methyl ethyl ketone (CAS 78-9	93-3)		
Fish LC50 Sheepshead minnow (Cyprinodon in a value of the second of	Aquatic			
Variegiatus) Testahydrofuran (CAS 199-99-) Aquatic Fish LC50 Fathead minnow (Pimephales promelas) 2160 mg/l. 96 Hours Porsitance and degradability No data available. Bioaccumulative potential Partition coefficient n-octamol / water (log Kow) Acctone (CAS 76 49-1) 0.24 Mobility in solid The product is completely soluble in water. Other adverse affects Nore known. 13. Disposal considerations Dispose of contents/container in accordance with local/regional/national/international regulation This material and its container must be disposed of as hazardous waste. Hazardous waste code D001: Waste Flammable material with a flash point <140 °F Ternshydrivforum (CAS 19-89-4) U002 Cyclohexanone (CAS 19-89-4) U002 Cyclohexanone (CAS 19-89-4) U002 Cyclohexanone (CAS 19-89-4) U027 Methyl ethyl ketone (CAS 78-93-3) U159 Testahydrivforum (CAS 19-89-4) U027 Cyclohexanone (CAS 19-89-4) U027 Cyclohexanone (CAS 19-89-9) U213 Wast form residues / unused Dispose of waste and residues in accordance with local authority requirements. Products J <	Crustacea	EC50	Water flea (Daphnia magna)	4025 - 6440 mg/l, 48 hours
Aquatic Fish C50 Fathead minuov (Pinephales promelas) 2160 mg/l, 96 Hours Persitance and degradability No data available. Bioaccumulative potential Braction conficient no-conficient no-c	Fish	LC50		> 400 mg/l, 96 hours
Fin LC50 Fathead minnow (Pimephales promelas) 2160 mg/l, 96 Hours Porsistence and logradability No data available. Bioaccumulative potential -244 Acatore (CAS 67.64-1) 0.24 Tertinydrodirum (CAS 109-99-0) 0.46 Cyclohexanore (CAS 108-94-1) 0.81 Mobility in soil The product is completely soluble in water. Other adverse effects None known. 13. Disposal considerations: Dispose of contents/container in accordance with local/regional/instional/international regulation This material and its container must be disposed of as hazardous waste. Hazardous wasts code D001: Waste Flammable material with a flash point <140 °F	Tetrahydrofuran (CAS 109-99	-9)		
Persistence and degradability No data available. Bioaccumulative potential Partition coefficient n-cetanol / water (log Kow) Acetone (CAS 67-64-1) - 0.24 Methyl ethyl ketone (CAS 78-93-3) - 0.29 Tetrahydrofuran (CAS 108-94-1) - 0.81 Mobility in soil The product is completely soluble in water. Cyclohesamone (CAS 108-94-1) - 0.81 Mobility in soil The product is completely soluble in water. 31. Disposal considerations Disposal instructions Dispose of contents/container in accordance with local/regional/haltonal/international regulation This material and its container must be disposed of as hazardous waste. Hazardous waste code D001: Waste Flammable material with a flash point <140 °F The waste code should be assigned in discussion between the user, the producer and the wast disposal company. US RCRA Hazardous Waste U List: Reference Acetone (CAS 67-64-1) U002 Cyclohexanone (CAS 108-94-1) U022 Cyclohexanone (CAS 108-94-1) U022 Cyclohexanone (CAS 108-94-1) U022 Cyclohexanone (CAS 108-94-1) U023 Products Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after containe emptied. 14. Transport information DOT UN number UN1993 UN proper shipping name Flammable liquids, n.o.s. (Acetone, Methyl ethyl ketone) Transport hazard class(es) - Packing group II Special proceautions for user Read safety instructions, SDS and emergency procedures before handling. B2: T7. TP1 TP3. TP28 Packaging soceptions IS Packing group II UN proper shipping name Transport hazard class(es) - Packaging no bulk 202 Packaging no bulk 202 Packaging probabili 202 Packaging group II Environment hazards No Labels required Si UN proper shipping name Transport hazard class(es) - Packaging group II Environment hazards No Labels required Si UN proper shipping name Transport hazard class(es) - Packaging group II Environment hazards No Labels required Si UN proper shipping name Transport hazard class(es) - Packaging group II Environment hazards No Labels required Si UN proper shipping name Transport hazard c	Aquatic			
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Particion coefficientoctanol (vater (log Kow) Acatone (CAS 67-8-9.3) 0.23 Tetrahytority ketone (CAS 108-96-9) 0.44 Octable Cyclohesanone (CAS 108-94-1) 0.81 Mobility in soil The product is completely soluble in water. Other adverse effects None known. 13. Disposal considerations Dispose of content/scontainer in accordance with local/regional/national/international regulation This material and its container must be disposed of as hazardous waste. Nature Vase Flammable material with a flash point <140 °F Acatone (CAS 108-94-1) UO02 Cyclohesanone (CAS 108-94-1) Vase Flammable material with a flash point <140 °F Acatone (CAS 108-94-1) UO02 Cyclohesanoe (CAS 108-94-1) Vase Flammable material with a flash point <140 °F Acatone (CAS 108-94-1) UO02 Cyclohesanoe (CAS 108-94-1) Vase Flammable material with a flash point <140 °F Tetrahytoritorain (CAS 108-94-1) UO02 Cyclohesanoe (CAS 108-94-1) Vase Flammable material with a flash point <140 °F Tetrahytoritorian (CAS 108-94-1) UO22 Cyclohesanoe (CAS 108-94-1) Vastor Form residues / unused products Since emptiled containers may retain product residue, follow label warnings even after containe emptile. UN mober UN spoer shipping name Flammable liquids, n.o.s. (Acetone, Methyl ethyl ketone) Tarasport Information Since emptiled (SA Catone, Methyl ethyl ketone) Tarasport nazard class(es) Su	Persistence and degradability	No data availa	able.	
Acetone (CAS 67-64-1) - 0.24 Methyl ethyl ketone (CAS 109-99-9) 0.46 Cyclohexanone (CAS 109-94-1) 0.81 Mobility in soil The product is completely soluble in water. Other adverse effects None known. 13. Disposal considerations Disposal instructions Dispose of contents/container in accordance with local/regional/national/international regulation This material and its container must be disposed of as hazardous waste. Hazardous waste code D001: Waste Flammable material with a flash point <140 "F The waste code should be assigned in discussion between the user, the producer and the wast disposal company. US RCRA Hazardous Waste U List: Keforence Acetone (CAS 67-64-1) U002 Cyclohexanone (CAS 108-94-1) U057 Methyl ethyl ketone (CAS 78-93-3) U159 Tetratydrofuran (CAS 78-93-3) U159 Tetratydrofuran (CAS 78-78-3-3) U159 Tetratydrofuran (CAS 78-78-3-3) U159 Tetratydrofuran (CAS 78-78-3-3) U159 Tetratydrofuran (CAS 78-78-3-3) U159 Tetratydrofuran (CAS 109-99-9) U213 Waste from residues / unused products Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after containe emptied. 14. Transport information Flammable liquids, n.o.s. (Acetone, Methyl ethyl ketone) Special provisions IB2, T7, TP1, TP8, TP28 Packaging group II Special provisions IB2, T7, TP1, TP8, TP28 Packaging exceptions IB2, T7, TP1, TP8, TP28 Packaging group II Nu mumber UN1993 UN proper shipping name Transport hazard class(es) 3 Subsidiary class(es) - Packaging group II Nu mumber UN1993 UN proper shipping name Transport hazard class(es) 3 Subsidiary class(es) - Packaging group II Environmental hazards No Labels required 3 ERG Code 3H Special precutions for user VA proper shipping name Transport hazard class(es) 3 Subsidiary class(es) - VC PIPE FINRER VC PIPE FINRER	Bioaccumulative potential			
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Tetrahydrofuran (CAS 109-99-9) 0.46 Cyclohexanone (CAS 108-94-1) 0.81 Mobility in soil The product is completely soluble in water. Other adverse effects None known. 13. Disposal considerations Dispose of contents/container in accordance with local/regional/national/international regulation This material and its container must be disposed of as hazardous waste. Hazardous waste code D001: Waste Flammable material with a flash point <140 °F		93-3)		
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Other adverse effects None known. 13. Disposal considerations Dispose of contents/container in accordance with local/regional/national/international regulation This material and its container must be disposed of as hazardous waste. Hazardous waste code D001: Waste Flammable material with a flash point <140 °F	Cyclohexanone (CAS 108-94-	1)	0.81	
Other adverse effects None known. 13. Disposal considerations Dispose of contents/container in accordance with local/regional/national/international regulation This material and its container must be disposed of as hazardous waste. Hazardous waste code D001: Waste Flammable material with a flash point <140 °F	Mobility in soil	The product is	s completely soluble in water.	
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disposal company. disposal company. VS RCRA Hazardous Waste U List: Reference Acetone (CAS 67-64-1) U002 Cyclohexanone (CAS 108-94-1) U057 Methyl ethyl ketone (CAS 108-96-9) U213 Waste from residues / unused products Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container emptied. 14. Transport information DOT UN number UN1993 UN proper shipping name Flammable liquids, n.o.s. (Acetone, Methyl ethyl ketone) Transport nazard class(es) 3 Subsidiary class(es) 5 Packaging wcoptions IB2, T7, TP1, TP3, TP28 Packaging on bulk 202 Packaging non bulk 202 Packaging polk 242 LIAT UN number UN1993 UN proper shipping name Flammable liquid, n.o.s. (Acetone, Methyl ethyl ketone) Transport nazard class(es) 3 Subsidiary class(es) 5 Packaging non bulk 202 Packaging non bulk 242 LIAT UN number UN1993 UN proper shipping name Flammable liquid, n.o.s. (Acetone, Methyl ethyl ketone) Transport nazard class(es) 3 Subsidiary class(es) 5 - Packaging port hazard class(es) 3 Subsidiary class(es) 3 Subsidiary class(es) 3 Subsidiary class(es) 3 Subsidiary class(es) 3 Subsidiary class(es) 3 Subsidiary class(es) 3 ERC Code 3H Special precautions for user Read safety instructions, SDS and emergency procedures before handling. My proper shipping name Flammable liquid, n.o.s. (Acetone, Methyl ethyl ketone) Transport nazard class(es) 3 ERC Code 3H Special precautions for user Read safety instructions, SDS and emergency procedures before handling. My number UN1993 UN number UN1993 UN proper shipping name FLAMMABLE LIQUID, N.O.S. (Acetone, Methyl ethyl ketone) Transport nazard class(es) 3 ERC Code 3H Special precautions for user Read safety instructions, SDS and emergency procedures before handling. My proper shipping name FLAMMABLE LIQUID, N.O.S. (Acetone, Methyl ethyl ketone) Transport nazard class(es) 3 Subsidiary class(es) -	Hazardous waste code	D001: Waste	Flammable material with a flash point <14	0 °F
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Subsidiary class(es) - PVC PIPE PRIMER SDS			עוטטיו, א.ט.ט. (Acetone, Methyl ethyl ke	elone)
PVC PIPE PRIMER SDS		5		
				SDS U
		ate: - leque dat	e [.] 08-August-2013	7/

Packaging group	II	
Environmental hazards Marine pollutant	No	
Labels required	3	
EmS	F-E, S-E	
Special precautions for use	r Read safety instructions, SDS	and emergency procedures before handling.
Transport in bulk according to	This product is not intended to	be transported in bulk.
Annex II of MARPOL 73/78 and the IBC Code		
15. Regulatory informatio	n	
US federal regulations	This product is hazardous acc All components are on the U.S	cording to OSHA 29 CFR 1910.1200. S. EPA TSCA Inventory List.
	Notification (40 CFR 707, Subp	ot. D)
Not regulated. US. OSHA Specifically Reg Not listed.	ulated Substances (29 CFR 19 [.]	10.1001-1050)
CERCLA Hazardous Substa	ance List (40 CFR 302.4)	
Acetone (CAS 67-64-1)		LISTED
Cyclohexanone (CAS 10 Methyl ethyl ketone (CAS		LISTED LISTED
Tetrahydrofuran (CAS 10		LISTED
Superfund Amendments and Re	authorization Act of 1986 (SA	RA)
Hazard categories	Immediate Hazard - Yes	
	Delayed Hazard - Yes Fire Hazard - Yes	
	Pressure Hazard - No	
	Reactivity Hazard - No	
SARA 302 Extremely hazardous substance	No	
SARA 311/312 Hazardous chemical	Yes	
Other federal regulations		
Clean Air Act (CAA) Section	n 112 Hazardous Air Pollutants	s (HAPs) List
Not regulated.		
· · ·	n 112(r) Accidental Release Pre	evention (40 CFR 68.130)
Not regulated. Safe Drinking Water Act	Not regulated	
(SDWA)	Not regulated.	
Drug Enforcement Adn Chemical Code Numbe		ntial Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and
Acetone (CAS 67-64		6532
Methyl ethyl ketone		6714 xempt Chemical Mixtures (21 CFR 1310.12(c))
Acetone (CAS 67-64		35 % weight/volumn
Methyl ethyl ketone	. ,	35 % weight/volumn
•	Mixtures Code Number	
Acetone (CAS 67-64 Methyl ethyl ketone		6532 6714
Food and Drug Administration (FDA)	Not regulated.	
US state regulations	This product does not contain defects or other reproductive h	a chemical known to the State of California to cause cancer, birth
US. Massachusetts RT		
Acetone (CAS 67-64		
Cyclohexanone (CA	S 108-94-1)	
Methyl ethyl ketone		
Tetrahydrofuran (CA US. New Jersey Worke	109-99-9)	
00. 110H 001309 HUIKO	r and Community Right-to-Kno	ow Act
Not regulated.	r and Community Right-to-Kno	ow Act

US. Pennsylvania RTK - Hazardous Substances

Acetone (CAS 67-64-1) Cyclohexanone (CAS 108-94-1) Methyl ethyl ketone (CAS 78-93-3) Tetrahydrofuran (CAS 109-99-9)

US. Rhode Island RTK

Acetone (CAS 67-64-1) Cyclohexanone (CAS 108-94-1) Methyl ethyl ketone (CAS 78-93-3) Tetrahydrofuran (CAS 109-99-9)

US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

Toxic Substances Control Act (TSCA) Inventory *A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

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Issue date	08-August-2013
Revision date	-
Version #	01
Further information	NFPA Ratings: Health: 2. Flammability: 3. Physical hazard: 0. Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe
NFPA Ratings	





List of abbreviations

NFPA: National Fire Protection Association. LD50: Lethal Dose, 50%. LC50: Lethal Concentration, 50%. EC50: Effective concentration, 50%.

Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.