

0



SAFETY DATA SHEET

1. Identification				
Product identifier	HumiSeal 1B73LSE			
Other means of identification				
Product code	HumiSeal 1B73LSE			
Recommended use	Protective Coating for Printed	Circuit Board		
Recommended restrictions	None known.			
Manufacturer/Importer/Supplier/Distributor information				
Manufacturer				
Company name	CHASE CORPORATION Zeta	Drive Plant		
Address	201 Zeta Drive			
	Pittsburgh, PA 15238 United States			
Telephone	1-866-932-0800			
E-mail	Not available.			
Emergency phone number	1-800-424-9300	Chemtrec, US	6	
	(+1)703-527-3887	Chemtrec, ou	tside of US	
2. Hazard(s) identification				
Physical hazards	Flammable liquids		Category 2	
Health hazards	Acute toxicity, oral		Category 4	
	Serious eye damage/eye irritat	ion	Category 2A	
	Specific target organ toxicity, s	ingle exposure	Category 3 narcotic effects	
	Specific target organ toxicity, re exposure	epeated	Category 2	

Environmental hazards

OSHA defined hazards

Label elements



Hazardous to the aquatic environment,

Hazardous to the aquatic environment, acute Category 3

Signal word Hazard statement Danger

hazard

long-term hazard Not classified.

Highly flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Category 3

Precautionary statement	
Prevention	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. Do not breathe mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/eye protection/face protection.
Response	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. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. If eye irritation persists: Get medical advice/attention. In case of fire: Use appropriate media to extinguish.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.
Supplemental information	57.11% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 57.11% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Tert-BUTYL ACETATE		540-88-5	40 - < 50
HEXYL ACETATES		88230-35-7	10 - < 20
METHYL ETHYL KETONE		78-93-3	10 - < 20
Other components below reportable le	vels		20 - < 30

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.
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 and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.
5. Fire-fighting measures	
Suitable extinguishing media	Water fog. Foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. **media**

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. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. 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.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Highly flammable liquid and vapor.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
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. This product is miscible in water.
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like verniculite, sand or earth to soak up the product and place into a container for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.
	Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.
Environmental precautions	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.
7. Handling and storage	
Precautions for safe handling	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust

The product matches are also been near an open name, sources of near or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Avoid spark promoters. Eliminate sources of ignition. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Refrigeration recommended. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Components	Туре		V	alue
METHYL ETHYL KETONE (CAS 78-93-3)	E PEL			90 mg/m3
				00 ppm
Tert-BUTYL ACETATE (CAS 540-88-5)	PEL		98	50 mg/m3
			20	00 ppm
US. ACGIH Threshold Lin Components			v	alue
	Туре			
METHYL ETHYL KETONE (CAS 78-93-3)	STEL			00 ppm
	TWA			00 ppm
Tert-BUTYL ACETATE (CAS 540-88-5)	TWA		20	00 ppm
US. NIOSH: Pocket Guide				
Components	Туре		V	alue
METHYL ETHYL KETONE (CAS 78-93-3)	STEL	-	88	35 mg/m3
			30	00 ppm
	TWA			90 mg/m3
)0 ppm
Tert-BUTYL ACETATE (CAS 540-88-5)	TWA		9	50 mg/m3
, , , , , , , , , , , , , , , , , , ,			20	00 ppm
ological limit values				
ACGIH Biological Exposu	ure Indices			
Components	Value	Determinant	Specimen	Sampling Time
METHYL ETHYL KETONE	0	MEK	Urine	*
(CAS 78-93-3)	: 2 mg/l	in Liv		
	•			
(CAS 78-93-3) * - For sampling details, ple propriate engineering	ease see the source docu Explosion-proof gen changes per hour) s applicable, use proo maintain airborne le	ument. leral and local exh should be used. Ve sess enclosures, lo vels below recomr	ntilation rates s cal exhaust ven nended exposu	Good general ventilation (typically 10 ai nould be matched to conditions. If tilation, or other engineering controls to re limits. If exposure limits have not been level. Provide eyewash station.
(CAS 78-93-3) * - For sampling details, ple propriate engineering ntrols	ease see the source docu Explosion-proof gen changes per hour) s applicable, use proo maintain airborne le established, maintai	ument. leral and local exh should be used. Ve cess enclosures, lo vels below recomr n airborne levels t otective equipme	ntilation rates s cal exhaust ven nended exposu o an acceptable nt	nould be matched to conditions. If tilation, or other engineering controls to e limits. If exposure limits have not bee level. Provide eyewash station.
(CAS 78-93-3) * - For sampling details, ple propriate engineering ntrols lividual protection measure Eye/face protection	ease see the source docu Explosion-proof gen changes per hour) s applicable, use proo maintain airborne le established, maintai es, such as personal pr	ument. leral and local exh should be used. Ve cess enclosures, lo vels below recomr n airborne levels t otective equipme	ntilation rates s cal exhaust ven nended exposu o an acceptable nt	nould be matched to conditions. If tilation, or other engineering controls to e limits. If exposure limits have not bee level. Provide eyewash station.
(CAS 78-93-3) * - For sampling details, ple propriate engineering ntrols	ease see the source docu Explosion-proof gen changes per hour) s applicable, use proo maintain airborne le established, maintai es, such as personal pr	ument. eral and local exh- should be used. Ve cess enclosures, lo vels below recomr in airborne levels tr otective equipme with organic vapo	ntilation rates s cal exhaust ven nended exposu o an acceptable nt r cartridge and f	nould be matched to conditions. If tilation, or other engineering controls to e limits. If exposure limits have not bee level. Provide eyewash station.
(CAS 78-93-3) * - For sampling details, ple propriate engineering ntrols lividual protection measure Eye/face protection Skin protection	ease see the source docu Explosion-proof gen changes per hour) s applicable, use proo maintain airborne le established, maintai es, such as personal pr Chemical respirator Wear appropriate ch	ument. leral and local exh. should be used. Ve sess enclosures, lo vels below recomr n airborne levels to otective equipme with organic vapo nemical resistant g	ntilation rates s cal exhaust ven nended exposu o an acceptable nt cartridge and f loves.	nould be matched to conditions. If tilation, or other engineering controls to e limits. If exposure limits have not bee level. Provide eyewash station.
(CAS 78-93-3) * - For sampling details, ple propriate engineering ntrols lividual protection measure Eye/face protection Skin protection Hand protection	ease see the source docu Explosion-proof gen changes per hour) s applicable, use proo maintain airborne le established, maintai es, such as personal pr Chemical respirator Wear appropriate ch	ument. leral and local exhi- should be used. Ve cess enclosures, lo vels below recomr in airborne levels to otective equipme with organic vapo nemical resistant g nemical resistant c	ntilation rates s cal exhaust ven nended exposu o an acceptable nt cartridge and f loves. othing. Use of a	nould be matched to conditions. If tilation, or other engineering controls to re limits. If exposure limits have not bee level. Provide eyewash station. ull facepiece.
(CAS 78-93-3) * - For sampling details, ple propriate engineering ntrols lividual protection measure Eye/face protection Skin protection Hand protection Other	ease see the source docu Explosion-proof gen changes per hour) s applicable, use proo maintain airborne le established, maintai es, such as personal pr Chemical respirator Wear appropriate ch Wear appropriate ch	ument. eral and local exh. should be used. Ve ess enclosures, lo vels below recomr in airborne levels tr otective equipme with organic vapo nemical resistant g nemical resistant c with organic vapo	ntilation rates s cal exhaust ven hended exposu o an acceptable nt cartridge and f loves. othing. Use of a	nould be matched to conditions. If tilation, or other engineering controls to re limits. If exposure limits have not been level. Provide eyewash station. ull facepiece. un impervious apron is recommended. ull facepiece.
(CAS 78-93-3) * - For sampling details, ple propriate engineering ntrols lividual protection measure Eye/face protection Skin protection Hand protection Other Respiratory protection	ease see the source docu Explosion-proof gen changes per hour) s applicable, use proo maintain airborne le established, maintai es, such as personal pr Chemical respirator Wear appropriate ch Wear appropriate ch Chemical respirator Wear appropriate th Wear appropriate th When using do not s	ument. leral and local exh. should be used. Vec less enclosures, lo vels below recomr n airborne levels to otective equipme with organic vapo hemical resistant g hemical resistant c with organic vapo ermal protective c smoke. Always obs	ntilation rates s cal exhaust ven nended exposu o an acceptable nt cartridge and f oves. othing. Use of a cartridge and f othing, when ne	nould be matched to conditions. If tilation, or other engineering controls to re limits. If exposure limits have not bee level. Provide eyewash station. ull facepiece. un impervious apron is recommended. ull facepiece.

9. Physical and chemical properties

Appearance

Clear.

	Liquid
Physical state Form	Liquid.
Color	Liquid. Not available.
	Aromatic
Odor Odor three hold	Not available.
Odor threshold	
pH	
Melting point/freezing point	-123.95 °F (-86.64 °C) estimated
Initial boiling point and boiling range	175.26 °F (79.59 °C) estimated
Flash point	62.6 °F (17.0 °C)
Evaporation rate	2.4 BuAc
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	1.5 % estimated
Flammability limit - upper (%)	10 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	61.34 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	NEGLIGIBLE.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	759.2 °F (404 °C) estimated
Decomposition temperature	Not available.
Viscosity	250 - 550 cP
Viscosity temperature	77 °F (25 °C)
Other information	
Density	0.94 g/cm3 0.94 g/cm3
Flammability class	Flammable IB estimated
Miscible (water)	NEGLIGIBLE.
Percent volatile	70 %
Specific gravity	0.94
VOC (Weight %)	70 %
10. Stability and reactivity	

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Nitrates. Ammonia. Amines. Isocyanates. Caustics.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful. May cause drowsiness and dizziness. Headache. Nausea, vomiting. May cause damage to organs through prolonged or repeated exposure by inhalation.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Causes serious eye irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects

Acute toxicity	Narcotic effects.	
Product	Species	Test Results
HumiSeal 1B73LSE		
<u>Acute</u>		
Dermal		
LD50	Rabbit	54011 mg/kg estimated
		16151 ml/kg estimated
Inhalation		
LC50	Mouse	88710 ppm, 45 Minutes estimated
Oral		
LD50	Guinea pig	1034 g/kg estimated
	Mouse	5372 mg/kg estimated
	Rabbit	276 g/kg estimated
	Rat	17641 mg/kg estimated
Components	Species	Test Results
METHYL ETHYL KETONE (CA	S 78-93-3)	
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 8000 mg/kg
Inhalation		
LC50	Mouse	11000 ppm, 45 Minutes
	Rat	11700 ppm, 4 Hours
Oral		
LD50	Mouse	670 mg/kg
	Rat	2300 - 3500 mg/kg
* Estimates for product may	/ be based on additional component data no	ot shown.
Skin corrosion/irritation	Prolonged skin contact may cause tem	
Serious eye damage/eye rritation	Causes serious eye irritation.	
Respiratory or skin sensitizati	ion	
Respiratory sensitization	Not available.	
Skin sensitization	This product is not expected to cause s	skin sensitization.
o	NI. I.I. STRUCTURE CONTRACTOR STRUCTURE	0.40/

Germ cell mutagenicityNo data available to indicate product or any components present at greater than 0.1% are
mutagenic or genotoxic.CarcinogenicityThis product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.
Specific target organ toxicity - repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not available.
Chronic effects	Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure.

12. Ecological information

Ecotoxicity	Harmful to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.			
Product		Species	Test Results	
HumiSeal 1B73LSE				
Aquatic				
Crustacea	EC50	Daphnia	3272.0864 mg/l, 48 hours estimated	
Fish	LC50	Fish	625.5489 mg/l, 96 hours estimated	
Components		Species	Test Results	
METHYL ETHYL KETONE (CAS 78-93-3)			
Aquatic				
Crustacea	EC50	Water flea (Daphnia magna)	4025 - 6440 mg/l, 48 hours	
Fish	LC50	Sheepshead minnow (Cyprinodon variegatus)	> 400 mg/l, 96 hours	
Tert-BUTYL ACETATE (CAS	540-88-5)			
Aquatic				
Fish	LC50	Fathead minnow (Pimephales promelas)	296 - 362 mg/l, 96 hours	
* Estimates for product may b	be based on addi	tional component data not shown.		
Persistence and degradability	No data is ava	No data is available on the degradability of this product.		
Bioaccumulative potential	Not available.	Not available.		
Partition coefficient n-octain METHYL ETHYL KETONE Tert-BUTYL ACETATE	nol / water (log ł	(ow) 0.29 1.76		
Mobility in soil	No data availa	ble.		
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.			
13. Disposal consideratio	ns			

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT	
UN number	UN1263
UN proper shipping name	PAINT
Transport hazard class(es)	
Class	3
Subsidiary risk	-

Label(s)	3
Packing group	II
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	149, B52, IB2, T4, TP1, TP8, TP28
Packaging exceptions	150
Packaging non bulk	202
Packaging bulk	242
ΙΑΤΑ	
UN number	UN1263
UN proper shipping name	PAINT
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	No.
ERG Code	3H
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo	Allowed.
aircraft	
Cargo aircraft only	Allowed.
IMDG	
UN number	UN1263
UN proper shipping name	PAINT
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	
Marine pollutant	No.
EmS	F-E, <u>S-E</u>
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to	Not available.

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

DOT



15. Regulatory information

	This product is a "I largerda	we Chemicall as defined by the OCUA Harard Communication
US federal regulations	Standard, 29 CFR 1910.1	bus Chemical" as defined by the OSHA Hazard Communication 200. e U.S. EPA TSCA Inventory List.
TSCA Section 12(b) Export	Notification (40 CFR 707, S	Subpt. D)
Not regulated.		
CERCLA Hazardous Subst		
METHYL ETHYL KETO Tert-BUTYL ACETATE (Listed. Listed.
SARA 304 Emergency relea	· · · · · · · · · · · · · · · · · · ·	Listed.
Not regulated.		
OSHA Specifically Regulate Not listed.	ed Substances (29 CFR 191	0.1001-1050)
Superfund Amendments and R	eauthorization Act of 1986	(SARA)
Hazard categories	Immediate Hazard - Yes	
	Delayed Hazard - Yes	
	Fire Hazard - Yes Pressure Hazard - No	
	Reactivity Hazard - No	
SARA 302 Extremely hazar	dous substance	
Not listed.		
SARA 311/312 Hazardous chemical	No	
SARA 313 (TRI reporting) Not regulated.		
Other federal regulations		
Clean Air Act (CAA) Sectio	n 112 Hazardous Air Polluta	ants (HAPs) List
Not regulated. Clean Air Act (CAA) Sectio	n 112(r) Accidental Release	Prevention (40 CFR 68.130)
Not regulated.		
Safe Drinking Water Act (SDWA)	Not regulated.	
Drug Enforcement Adr Chemical Code Numbe		ssential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and
	ETONE (CAS 78-93-3) ninistration (DEA). List 1 &	6714 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))
	ETONE (CAS 78-93-3) Mixtures Code Number	35 %WV
METHYL ETHYL K	ETONE (CAS 78-93-3)	6714
US state regulations		
US. California Controlled S	ubstances. CA Department	of Justice (California Health and Safety Code Section 11100)
Not listed.		
US. California. Candidate C (a))	hemicals List. Safer Consu	imer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.
METHYL ETHYL KETO		
US. Massachusetts RTK - S	Substance List	
METHYL ETHYL KETO Tert-BUTYL ACETATE ((CAS 540-88-5)	
US. New Jersey Worker and		w Act
METHYL ETHYL KETO Tert-BUTYL ACETATE ((CAS 540-88-5)	
US. Pennsylvania Worker and Community Right-to-Know Law		
METHYL ETHYL KETO Tert-BUTYL ACETATE (. ,	
US. Rhode Island RTK		
METHYL ETHYL KETO Tert-BUTYL ACETATE (

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

ETHYLBENZENE (CAS 100-41-4) Listed: June 11, 2004

- US California Proposition 65 CRT: Listed date/Developmental toxin Toluene (CAS 108-88-3) Listed: January 1, 1991
- US California Proposition 65 CRT: Listed date/Female reproductive toxin Toluene (CAS 108-88-3) Listed: August 7, 2009

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)	Yes
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

*A "Yes" indicates that all components of this product comply 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

Issue date	08-11-2014
Revision date	08-07-2015
Version #	04
HMIS® ratings	Health: 2* Flammability: 3 Physical hazard: 0
NFPA ratings	Health: 2 Flammability: 3 Instability: 0
Disclaimer	The information offered in this data sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication, however, no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. This material is intended for industrial use only. No warranty, expressed or implied is made.