

SAFETY DATA SHEET



SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	HYTEMP (Aerosol)
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	1641
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	High Temp Anti-Seize Lubricant
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	1641.09
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2015-06-01
		REPLACES VERSION DATED:	2008-01-14 <i>and all prior versions</i>

SECTION 2: HAZARDS IDENTIFICATION

Physical hazards	Flammable aerosols	Category 1
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization, skin	Category 1
	Carcinogenicity	Category 2
	Reproductive toxicity	Category 1A
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure	Category 2
	Aspiration hazard	Category 1
OSHA defined hazards	Not classified	
Label elements		



Signal word: Danger

Hazard statement: Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

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. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe gas. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response: If swallowed: Immediately call a poison center/doctor. If on skin: Wash with plenty of water. 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. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Specific treatment (see this label). Do NOT induce vomiting. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC): Not classified.

Environmental Hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2

Supplemental Information

Hazard statement	Toxic to aquatic life. Toxic to aquatic life with long last effects.
Prevention	Avoid release to the environment.
Response	Collect spillage.

66.56% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 66.56% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Acetone	67-64-1	20-40
Butane	106-97-8	20-40
Aliphatic Petroleum Solvent	64742-89-8	10-20
Propane	74-98-6	10-20
Magnesium Silicate	14807-96-6	2.5-10
n-Heptane	142-82-5	2.5-10
Toluene	108-88-3	2.5-10
Cyclohexane	110-82-7	0.1-1
Methyl Ethyl Ketoxime	96-29-7	0.1-1
n-Hexane	110-54-3	0.1-1
Other components below reportable levels		10-20

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

SECTION 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	Remove contaminated clothing. Wash off with soap and plenty of water. If skin irritation or rash occurs: Get medical advice/attention. For minor skin contact, avoid spreading material on unaffected skin.
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	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Aspiration may cause pulmonary edema and pneumonitis.
Most important symptoms/effects, acute and delayed	Irritation of eyes and mucous membranes. May cause allergic skin reaction. Prolonged exposure may cause chronic effects. May cause drowsiness or dizziness.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. IF exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Powder. Alcohol resistant foam. Carbon dioxide (CO2).
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Contents under pressure. Pressurized container may explode when exposed to heat or flame.
Special protective equipment and precautions for firefighters	Firefighters must use standard protective clothing including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Fire-fighting	Move containers from fire area if you can do so without risk. Containers should be cooled with

equipment/instructions	water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
Specific methods.	Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. Use water spray to cool unopened containers. In the event of fire and/or explosion do not breathe fumes.

SECTION 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. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid breathing gas. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.
Methods and materials for containment and cleaning up	Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Collect spillage. Prevent entry into waterways, sewer, basements or confined areas. For waste disposal, see section 13 of the MSDS.
Environmental precautions	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.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe gas. Avoid contact with skin. Avoid contact with eyes. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Use only in well-ventilated areas. Use personal protective equipment as required. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Do not empty into drains.
Conditions for safe storage, including any incompatibilities	Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the MSDS). Level 3 Aerosol.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

US OSHA Table Z-4 Limits for Air contaminants (29 CFR 1910.1000)

<u>Components</u>	<u>Type</u>	<u>Value</u>
Acetone (CAS 67-64-1)	PEL	2400 mg/m3 1000 ppm
Cyclohexane (CAS 110-82-7)	PEL	1050 mg/m3 300 ppm
n-Heptane (CAS 142-82-5)	PEL	2000 mg/m3 500 ppm
n-Hexane (CAS 110-54-3)	PEL	1800 mg/m3 500 ppm
Propane (CAS 74-98-6)	PEL	1800 mg/m3 1000 ppm

US OSHA Table Z-2 (29 CFR 1910.1000)

<u>Components</u>	<u>Type</u>	<u>Value</u>
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Toluene (CAS 108-88-3)	Ceiling	300 ppm	
	TWA	200 ppm	

US OSHA Table Z-3 (29 CFR 1910.1000)

<u>Components</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
Magnesium Silicate (CAS 14807-96-6)	TWA	0.3 mg/m3	Total dust.
		0.1 mg/m3	Respirable
		20 millions of Particle	
		2.4 millions of particle	Respirable

ACGIH

<u>Components</u>	<u>Type</u>	<u>Value</u>
Aliphatic Petroleum Solvent (CAS 64742-89-8)	TWA	400 ppm

US ACGIH Threshold Limit Values

<u>Components</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
Acetone (CAS 67-64-1)	STEL	750 ppm	
	TWA	500 ppm	
Cyclohexane (CAS 110-82-7)	TWA	100 ppm	
Magnesium Silicate (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.
	STEL	500 ppm	
n-Heptane (CAS 142-82-5)	TWA	400 ppm	
	TWA	50 ppm	
n-Hexane (CAS 110-54-3)	TWA	50 ppm	
Toluene (CAS 108-88-3)	TWA	20 ppm	

US NIOSH: Pocket Guide to Chemical Hazards

<u>Components</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
Acetone (CAS 67-64-1)	TWA	590 mg/m3	
		250 ppm	
Butane (CAS 106-97-8)	TWA	1900 mg/m3	
		800 ppm	
Cyclohexane (CAS 110-82-7)	TWA	1050 mg/m3	
		300 ppm	
Magnesium Silicate (CAS 14807-96-6)	TWA	2 mg/m3	Respirable.
n-Heptane (CAS 142-82-5)	Ceiling	1800 mg/m3	
	TWA	440 ppm	
n-Hexane (CAS 110-54-3)	TWA	350 mg/m3	
		85 ppm	
Propane (CAS 74-98-6)	TWA	180 mg/m3	
		50 ppm	
Toluene (CAS 108-88-3)	STEL	1800 mg/m3	
		1000 ppm	
		560 mg/m3	
		150 ppm	
	TWA	375 mg/m3	
		100 ppm	

US AIHA Workplace Environmental Exposure Level (WEEL) Guides

<u>Components</u>	<u>Type</u>	<u>Value</u>
Methyl Ethyl Ketoxime (CAS 96-29-7)	TWA	36 mg/m3
		10 ppm

Biological limit values

ACGIH Biological Exposure Indices

<u>Components</u>	<u>Value</u>	<u>Determinant</u>	<u>Specimen</u>	<u>Sampling Time</u>
Acetone (CAS 67-64-1)	50 mg/l	Acetone	Urine	*
n-Hexane (CAS 110-54-3)	0.4 mg/l	2,5-Hexanedion, without hydrolysis	Urine	*
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with Hydrolysis	Creatinine in urine	*
	0.03 mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*

* - For sampling details, please see the source document.

Exposure guidelines

US – California OELs: Skin designation

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.

Toluene (CAS 108-88-3) Can be absorbed through the skin.

US – Minnesota Haz Subs: Skin designation applies

Toluene (CAS 108-88-3) Skin designation applies.

US ACGIH Threshold Limit Values: Skin designation

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.

Appropriate engineering controls:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/face protection. Wear safety glasses with side shields (or goggles).

Hand protection

Wear protective gloves.

Other skin protection

Wear appropriate chemical resistant clothing.

Respiratory protection

If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations:

When using, do not eat, drink or smoke. 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. Contaminated work clothing should not be allowed out of the workplace.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Physical state	Gas
Form	Aerosol
Color	Black
Flash point	-156.00 °F (-104.44 °C) Propellant estimated
Odor	Solvent
pH	Not available
Solubility(ies)	Not available
Vapor density	Not available
Vapor pressure	50 psig @70F estimated
Viscosity	Not available
Other information	
Specific gravity	0.457 estimated

SECTION 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 temperatures exceeding the flash point.
Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Ingestion	May be fatal if swallowed and enters airways.
Inhalation	May be fatal if swallowed and enters airways. Prolonged inhalation may be harmful. Narcotic effects. May cause damage to organs by inhalation.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics
Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Irritant effects.

Information on toxicological effects

Acute toxicity
May be fatal if swallowed and enters airways. Narcotic effects. May cause allergic skin reaction.

<u>Product</u>	<u>Species</u>	<u>Test Results</u>
HYTEMP (CAS Mixture)		
<i>Acute</i>		
<i>Inhalation</i>		
LD50	Mouse	1450.3179 mg/l, 2 Hours, estimated
<i>Oral</i>		
LD50	Wistar rat	28426.2305 mg/kg, estimated

<u>Components</u>	<u>Species</u>	<u>Test Results</u>
Acetone (CAS 67-64-1)		
<i>Acute</i>		
<i>Dermal</i>		
LD50	Rabbit	20000 mg/kg
<i>Inhalation</i>		20 ml/kg
LC50	Rat	76 mg/l, 4 Hours
<i>Oral</i>		50.1 mg/l, 8 Hours
LD50	Mouse	3000 mg/kg
	Rabbit	5340 mg/kg
	Rat	5800 mg/kg
<i>Other</i>		
LD50	Mouse	1297 mg/kg
	Rat	5500 mg/kg

Butane (CAS 106-97-8)		
<i>Acute</i>		
<i>Inhalation</i>		
LC50	Mouse	680 mg/l, 2 Hours
	Rat	658 mg/l, 4 Hours

Cyclohexane (CAS 110-82-7)

Acute

Inhalation

NOEL Monkey 1243 mg/l, 6 Hours

Oral

LC50 Mouse 1300 mg/kg
Rat 29820 mg/kg

n-Heptane (CAS 142-82-5)

Acute

Inhalation

LC50 Rat 103 mg/l, 4 Hours

LD50 Mouse 75 mg/l, 2 Hours

Other

LD50 Mouse 222 mg/kg

n-Hexane (CAS 110-54-3)

Acute

Inhalation

LC50 Mouse 48000 mg/l, 4 Hours

Oral

LD50 Rat 24 mg/kg

Wistar rat 49 mg/kg

Propane (CAS 74-98-6)

Acute

Inhalation

LC50 Rat > 1442.847 mg/l, 15 Minutes
658 mg/l/4h

Toluene (CAS 108-88-3)

Acute

Dermal

LD50 Rabbit 12124 mg/kg

Inhalation

LC50 Mouse 14.1 ml/kg

5320 mg/l, 8 Hours

400 mg/l, 24 Hours

Rat 26700 mg/l, If <1L: Consumer Commodity Hours

12200 mg/l, 2 Hours

Oral

LD50 Rat 8000 mg/l, 4 Hours

2.6 g/kg

Other

LD50 Mouse 59 mg/kg

Rat 1332 mg/kg

**Estimates for product may be based on additional component data not shown.*

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory sensitization

Not available.

Skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

Suspected of causing cancer.

IARC Monographs, Overall Evaluation of Carcinogenicity:

Magnesium Silicate (CAS 14807-96-6) 2B Possibly carcinogenic to humans.
 3 Not classifiable as to carcinogenicity to humans.
 Toluene (CAS 108-88-3) 3 Not classifiable as to carcinogenicity to humans

Reproductive toxicity May damage fertility or the unborn child.
 Specific target organ toxicity - single exposure Narcotic effects.
 Specific target organ toxicity - repeated exposure Respiratory system. Skin. Kidneys. Central nervous system. Eyes. Liver. Peripheral nervous system. May cause damage to organs through prolonged or repeated exposure.
 Aspiration hazard May be fatal if swallowed and enters airways.
 Chronic effects Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity Toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

<u>Product</u>	<u>Species</u>	<u>Test Results</u>
HYTEMP		
Algae IC50	Algae	6323.4575 mg/L, 72 Hours, estimated
Crustacea EC50	Daphnia	185.1127 mg/L, 48 Hours, estimated
Fish LC50	Fish	20.4236 mg/L, 96 Hours, estimated

Components	Species	Test Results
Acetone (CAS 67-64-1)		
Aquatic	Water flea (Daphnia magna)	21.6 - 23.9 mg/l, 48 hours
Crustacea EC50	Rainbow trout, Donaldson trout	4740 - 6330 mg/l, 96 hours
Fish LC50	(Oncorhynchus mykiss)	

Aliphatic Petroleum Solvent (CAS 64742-89-8)	Species	Test Results
Algae IC50	Algae	4700 mg/L, 72 Hours

Cyclohexane (CAS 110-82-7)	Species	Test Results
Aquatic		
Fish LC50	Fathead minnow (Pimephales promelas)	23.03 - 42.07 mg/l, 96 hours

Methyl Ethyl Ketoxime (CAS 96-29-7)	Species	Test Results
Algae IC50	Algae	83 mg/L, 72 Hours
Crustacea EC50	Daphnia	750 mg/L, 48 Hours
Aquatic		
Fish LC50	Fathead minnow (Pimephales promelas)	777 - 914 mg/l, 96 hours

n-Heptane (CAS 142-82-5)	Species	Test Results
Aquatic		
Fish LC50	Mozambique tilapia (Tilapia mossambica)	375 mg/l, 96 hours

n-Hexane (CAS 110-54-3)	Species	Test Results
Aquatic		
Fish LC50	Fathead minnow (Pimephales promelas)	2.101 - 2.981 mg/l, 96 hours

Toluene (CAS 108-88-3)	Species	Test Results
Algae IC50	Algae	433.0001 mg/L, 72 Hours
Crustacea EC50	Daphnia	7.645 mg/L, 48 Hours
Aquatic		
Crustacea EC50	Water flea (Daphnia magna)	5.46 - 9.83 mg/l, 48 hours
Fish LC50	Coho salmon, silver salmon (Oncorhynchus kisutch)	8.11 mg/l, 96 hours

**Estimates for product may be based on additional component data not shown.*

Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Partition coefficient n-octanol / water (log Kow)	
Acetone	-0.24
Propane	2.36
Toluene	2.73
Butane	2.89
Cyclohexane	3.44
n-Hexane	3.9
n-Heptane	4.66
Mobility in soil	No data available.
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.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. 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.
US RCRA Hazardous Waste U List: Reference	Acetone (CAS 67-64-1) U002 Cyclohexane (CAS 110-82-7) U056 Toluene (CAS 108-88-3) U220
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	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14: TRANSPORT INFORMATION

DOT

UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	2.1
Subsidiary class(es)	Not available.
Packing group	Not available.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Labels required	2.1
Special provisions	N82
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

IATA	UN number	UN1950
	UN proper shipping name	Aerosols, flammable
	Transport hazard class(es)	2.1
	Subsidiary class(es)	-
	Packaging group	Not available.
	Environmental hazards	Yes
	Labels required	2.1
	ERG Code	10L
	Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
	Packaging Exceptions	LTD QTY

SECTION 15: REGULATORY INFORMATION

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4):

Acetone (CAS 67-64-1)	LISTED
Cyclohexane (CAS 110-82-7)	LISTED
n-Hexane (CAS 110-54-3)	LISTED
Toluene (CAS 108-88-3)	LISTED

US OSHA Specifically Regulated Substances (29CFR 1910.1001-1050): Not Listed

SARA 304 Emergency release notification: Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes
	Delayed Hazard - Yes
	Fire Hazard - Yes
	Pressure Hazard - Yes
	Reactivity Hazard - No

SARA 302 Extremely hazardous substance: No

SARA 311/312 Hazardous chemical: No

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

n-Hexane (CAS 110-54-3)
Toluene (CAS 108-88-3)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Butane (CAS 106-97-8)
Propane (CAS 74-98-6)

Safe Drinking Water Act: Not regulated (SDWA)

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) And Chemical Code Number

Acetone (CAS 67-64-1)	6532
Toluene (CAS 108-88-3)	6594

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Acetone (CAS 67-64-1)	35 % weight/volumn
Toluene (CAS 108-88-3)	35 % weight/volumn

DEA Exempt Chemical Mixtures Code Number

Acetone (CAS 67-64-1)	6532
Toluene (CAS 108-88-3)	594

Food and Drug Administration (FDA): Not regulated.

US state regulations

US. New Jersey Worker and Community Right-to-Know Act

Butane (CAS 106-97-8) 500 lbs
Cyclohexane (CAS 110-82-7) 500 lbs
n-Hexane (CAS 110-54-3) 500 lbs
Propane (CAS 74-98-6) 500 lbs
Toluene (CAS 108-88-3) 500 lbs

US. Pennsylvania RTK - Hazardous Substances

Acetone (CAS 67-64-1)
Butane (CAS 106-97-8)
Cyclohexane (CAS 110-82-7)
Magnesium Silicate (CAS 14807-96-6)
n-Heptane (CAS 142-82-5)
n-Hexane (CAS 110-54-3)
Propane (CAS 74-98-6)
Toluene (CAS 108-88-3)

US. California Proposition 65

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

International inventories

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

*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).

SECTION 16: OTHER INFORMATION

Important Note: *To be the best of our knowledge, the information contained herein is accurate. However there is no assumption of liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer/supplier, the manufacturer/supplier will not be responsible for loss, injury, or expense arising out of the products improper use. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.*

End of SDS