

# SAFETY DATA SHEET

## 1. Identification

Product identifier	Chlor-Free® Degreaser			
Other means of identification				
Product Code	No. 03187 (Item# 1003442)			
Recommended use	General purpose degreaser			
<b>Recommended restrictions</b>	None known.			
Manufacturer/Importer/Supplier/	Distributor information			
Manufactured or sold by:				
Company name	CRC Industries, Inc.			
Address	885 Louis Dr.			
	Warminster, PA 18974 US			
Telephone				
General Information	215-674-4300			
Technical Assistance	800-521-3168			
Customer Service	800-272-4620			
24-Hour Emergency	800-424-9300 (US)			
(CHEMTREC) Website	www.crcindustries.com			
2. Hazard(s) identification				
Physical hazards	Flammable liquids	Category 2		
Health hazards	Acute toxicity, oral	Category 4		
	Skin corrosion/irritation	Category 2		
	Serious eye damage/eye irritation	Category 2A		
	Carcinogenicity	Category 2		
	Reproductive toxicity	Category 1A		
	Specific target organ toxicity, single exposure	Category 1 (central nervous system, eyes)		
	Specific target organ toxicity, single exposure	Category 3 narcotic effects		
	Specific target organ toxicity, repeated exposure	Category 1		
	Aspiration hazard	Category 1		
Environmental hazards	Hazardous to the aquatic environment, acute	Category 1		

**OSHA** defined hazards

Label elements



Hazardous to the aquatic environment,

Signal word Hazard statement

Highly flammable liquid and vapor. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer. May damage fertility or the unborn child. Causes damage to organs (central nervous system, eyes). Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Category 1

hazard

long-term hazard

Not classified.

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. Do not breathe mist or vapor. Use only with adequate ventilation; maintain ventilation during use and until all vapors are gone. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.
Response	If swallowed: Immediately call a poison center/doctor. Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. 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 exposed: Call a poison center/doctor. In case of fire: Do not use water jet as an extinguisher, as this will spread the fire. Collect spillage.
Storage	Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national 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	None.

## 3. Composition/information on ingredients

**Mixtures** 

Chemical name	Common name and synonyms	CAS number	%
cyclohexane		110-82-7	70 - 80
ethanol		64-17-5	5 - 10
naphtha (petroleum), hydrotreated light		64742-49-0	5 - 10
methanol		67-56-1	3 - 5
2-methylpentane		107-83-5	1 - 3
n-hexane		110-54-3	< 1
methyl isobutyl ketone		108-10-1	< 0.2

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. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
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.
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Narcosis. Headache. Nausea, vomiting. Behavioral changes. Decrease in motor functions. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. 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 warm. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. 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 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. 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. 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. 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). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. This product is miscible in water. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.
	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: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. 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	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. 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 taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial

hygiene practices. For product usage instructions, see the product label.

Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. 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 tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

### 8. Exposure controls/personal protection

### **Occupational exposure limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for A Components	ir Contaminants (29 CFR 1910.1 Type	000) Value	
cyclohexane (CAS 110-82-7)	PEL	1050 mg/m3	
		300 ppm	
ethanol (CAS 64-17-5)	PEL	1900 mg/m3	
		1000 ppm	
methanol (CAS 67-56-1)	PEL	260 mg/m3	
		200 ppm	
methyl isobutyl ketone (CAS 108-10-1)	PEL	410 mg/m3	
		100 ppm	
naphtha (petroleum), hydrotreated light (CAS 64742-49-0)	PEL	400 mg/m3	
		100 ppm	
n-hexane (CAS 110-54-3)	PEL	1800 mg/m3	
		500 ppm	

### **US. ACGIH Threshold Limit Values**

Components	Туре	Value	
2-methylpentane (CAS 107-83-5)	STEL	1000 ppm	
	TWA	500 ppm	
cyclohexane (CAS 110-82-7)	TWA	100 ppm	
ethanol (CAS 64-17-5)	STEL	1000 ppm	
methanol (CAS 67-56-1)	STEL	250 ppm	
	TWA	200 ppm	
methyl isobutyl ketone (CAS 108-10-1)	STEL	75 ppm	
	TWA	20 ppm	
n-hexane (CAS 110-54-3)	TWA	50 ppm	
US. NIOSH: Pocket Guide to Che	mical Hazards		
Components	Туре	Value	
2-methylpentane (CAS 107-83-5)	Ceiling	1800 mg/m3	

107-83-5)		
		510 ppm
	TWA	350 mg/m3
		100 ppm
cyclohexane (CAS 110-82-7)	TWA	1050 mg/m3
		300 ppm
ethanol (CAS 64-17-5)	TWA	1900 mg/m3

## US. NIOSH: Pocket Guide to Chemical Hazards

Components	Туре	Value	
		1000 ppm	
methanol (CAS 67-56-1)	STEL	325 mg/m3	
		250 ppm	
	TWA	260 mg/m3	
		200 ppm	
methyl isobutyl ketone (CAS 108-10-1)	STEL	300 mg/m3	
		75 ppm	
	TWA	205 mg/m3	
		50 ppm	
naphtha (petroleum), hydrotreated light (CAS 64742-49-0)	TWA	400 mg/m3	
		100 ppm	
n-hexane (CAS 110-54-3)	TWA	180 mg/m3	
		50 ppm	

### **Biological limit values**

#### ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
methanol (CAS 67-56-1)	15 mg/l	Methanol	Urine	*
methyl isobutyl ketone (CAS 108-10-1)	1 mg/l	Methyl isobutyl ketone	Urine	*
n-hexane (CAS 110-54-3)	0.5 mg/l	2,5-Hexanedio ne, without hydrolysis	Urine	*

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

### Exposure guidelines

US - California OELs: Skin	designation		
methanol (CAS 67-56-1)		Can be absorbed through the skin.	
n-hexane (CAS 110-54-3	3)	Can be absorbed through the skin.	
US - Minnesota Haz Subs: S	Skin designation applies		
methanol (CAS 67-56-1)		Skin designation applies.	
US - Tennessee OELs: Skin	designation		
methanol (CAS 67-56-1)		Can be absorbed through the skin.	
US ACGIH Threshold Limit	Values: Skin designation	-	
methanol (CAS 67-56-1)		Can be absorbed through the skin.	
n-hexane (CAS 110-54-3)		Can be absorbed through the skin.	
US NIOSH Pocket Guide to	Chemical Hazards: Skin desig	nation	
methanol (CAS 67-56-1)	-1) Can be absorbed through the skin.		
Appropriate engineering controls	Explosion-proof general and local exhaust ventilation. 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. Eye wash fountain and emergency showers are recommended.		
Individual protection measures	such as parsonal protective of	auinmont	

# Individual protection measures, such as personal protective equipment

Eye/face protection	wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	Wear protective gloves such as: Nitrile. Viton/butyl.
Other	Wear appropriate chemical resistant clothing.

Respiratory protection	If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Observe any medical surveillance requirements. When using do not smoke. Keep away from food and drink. 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.

## 9. Physical and chemical properties

Liquid.	
Liquid.	
Water-white.	
Mild solvent.	
Not available.	
Not available.	
-144 °F (-97.8 °C) estimated	
118.4 °F (48 °C) estimated	
< 0 °F (< -17.8 °C)	
Fast.	
Not available.	
losive limits	
1 % estimated	
36 % estimated	
139.7 hPa estimated	
> 1 (air = 1)	
0.76	
Negligible.	
Not available.	
489.2 °F (254 °C) estimated	
Not available.	
Not available.	
98.1 % estimated	

### 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	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides. Hydrocarbon fumes and smoke. Aldehydes. Formaldehyde.

## 11. Toxicological information

Inhalation

### Information on likely routes of exposure

May cause damage to organs by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.

Skin contact	Causes skin irritation.		
Eye contact	Causes serious eye irritation.		
Ingestion	Narcosis. Headache. Nausea, vomiting. Behavioral changes. Decrease in motor functions. Severe		
Symptoms related to the physical, chemical and toxicological characteristics			
Information on toxicological ef	ifects		
Acute toxicity	May be fatal if swallowed and enters	airways.	
Product	Species	Test Results	
Chlor-Free® Degreaser	-		
Acute			
Dermal			
LD50	Rabbit	2404 mg/kg calculated	
Inhalation			
LC50	Rat	36.8 mg/l, 4 hours calculated	
Components	Species	Test Results	
cyclohexane (CAS 110-82-7)			
<u>Acute</u>			
Oral			
LD50	Rat	29820 mg/kg	
ethanol (CAS 64-17-5)			
<u>Acute</u>			
Dermal			
LD50	Rabbit	20 g/kg	
Inhalation			
LC50	Rat	8000 mg/l, 4 hours	
Oral			
LD50	Rat	6200 mg/kg	
		6.2 g/kg	
methanol (CAS 67-56-1)			
<u>Acute</u>			
Dermal			
LD50	Rabbit	12800 mg/kg	
Oral			
LD50	Rat	5628 mg/kg	
methyl isobutyl ketone (CAS 108	-10-1)		
<u>Acute</u>			
Dermal			
LD50	Rabbit	> 3 g/kg	
Inhalation			
LC50	Rat	8.2 mg/l, 4 Hours	
Qual			
Oral	Rat	2080 mg/kg	
LD50	i tat		
LD50			
LD50 naphtha (petroleum), hydrotreate			
LD50 naphtha (petroleum), hydrotreate <u>Acute</u>		> 2000 mg/kg	
LD50 naphtha (petroleum), hydrotreate <u>Acute</u> Dermal	ed light (CAS 64742-49-0)	> 2000 mg/kg	

Components	Species	Test Results	
Oral			
LD50	Rat > 5000 mg/kg		
n-hexane (CAS 110-54-3)			
<u>Acute</u>			
Dermal			
LD50	Rabbit	> 1300 mg/kg	
Oral			
LD50	Rat	15840 mg/kg	
Skin corrosion/irritation	Causes skin irritation.		
Serious eye damage/eye irritation	Causes serious eye irritatio	n.	
Respiratory or skin sensitizatio	n		
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.		
Skin sensitization	This product is not expected to cause skin sensitization.		
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 Carcinogenic	ity	
methyl isobutyl ketone (0 OSHA Specifically Regulate		2B Possibly carcinogenic to humans. .1001-1052)	
Not regulated.			
US. National Toxicology Pro	ogram (NTP) Report on Car	cinogens	
Not listed.			
Reproductive toxicity	May damage fertility or the unborn child.		
Specific target organ toxicity - single exposure	Causes damage to organs (central nervous system, eyes). May cause drowsiness and dizziness.		
Specific target organ toxicity - repeated exposure	Causes damage to organs through prolonged or repeated exposure.		
Aspiration hazard	May be fatal if swallowed a	nd enters airways.	
Chronic effects	Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful.		

## 12. Ecological information

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

	Species	Test Results
82-7)		
LC50	Fathead minnow (Pimephales promelas)	23.03 - 42.07 mg/l, 96 hours
EC50	Water flea (Ceriodaphnia dubia)	5012 mg/l, 48 hours
LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	> 10000 mg/l, 96 hours
)		
EC50	Water flea (Daphnia magna)	> 10000 mg/l, 48 hours
LC50	Fathead minnow (Pimephales promelas)	> 100 mg/l, 96 hours
CAS 108-10-1)		
LC50	Fathead minnow (Pimephales promelas)	492 - 593 mg/l, 96 hours
	LC50 EC50 LC50 EC50 LC50 CAS 108-10-1)	B2-7) LC50 Fathead minnow (Pimephales promelas) EC50 Water flea (Ceriodaphnia dubia) LC50 Rainbow trout,donaldson trout (Oncorhynchus mykiss) EC50 Water flea (Daphnia magna) LC50 Fathead minnow (Pimephales promelas) CAS 108-10-1)

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

### Bioaccumulative potential

Partition coefficient n-c	ctanol / water (log Kov	v)	
2-methylpentane		3.74	
cyclohexane		3.44	
ethanol		-0.31	
methanol		-0.77	
methyl isobutyl ketone		1.31	
n-hexane		3.9	
Bioconcentration facto naphtha (petroleum), hyd	· · · · ·	10 - 25000	
Mobility in soil	No data available	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.		

#### 13. Disposal considerations

Disposal instructions	If discarded, this product is considered a RCRA ignitable waste, D001. 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 in accordance with all applicable regulations.	
Hazardous waste code	D001: Waste Flammable material with a flash point <140 F	
US RCRA Hazardous Waste	U List: Reference	
cyclohexane (CAS 110-8	2-7) U056	

cyclohexane (CAS 110-82-7) U056
Contaminated packaging
Since emptied containers may retain product residue, follow label warnings even after container is
emptied. Empty containers should be taken to an approved waste handling site for recycling or
disposal.

## 14. Transport information

DOT			
UN number	UN1993		
UN proper shipping name	Flammable liquids, n.o.s. (cyclohexane RQ = 1342 LBS, ethanol RQ = 1015 LBS)		
Transport hazard class(es)			
Class	3		
Subsidiary risk	-		
Label(s)	3		
Packing group	II		
Special precautions for user	<ul> <li>Read safety instructions, SDS and emergency procedures before handling.</li> </ul>		
Special provisions	IB2, T7, TP1, TP8, TP28		
Packaging exceptions	150		
Packaging non bulk	202		
Packaging bulk	242		
ΙΑΤΑ			
UN number	UN1993		
UN proper shipping name	Flammable liquid, n.o.s. (cyclohexane, ethanol)		
Transport hazard class(es)			
Class	3		
Subsidiary risk	-		
Packing group	II		
ERG Code	3H		
Special precautions for user Other information	<ul> <li>Read safety instructions, SDS and emergency procedures before handling.</li> </ul>		
Passenger and cargo aircraft	Allowed with restrictions.		
Cargo aircraft only	Allowed with restrictions.		
IMDG			
UN number	UN1993		
UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (cyclohexane, ethanol), MARINE POLLUTANT		
Transport hazard class(es)			
Class	3		
Subsidiary risk	-		

 Packing group
 II

 Environmental hazards
 Yes

 Marine pollutant
 Yes

 EmS
 F-E, S-E

 Special precautions for user
 Read safety instructions, SDS and emergency procedures before handling.

DOT





15. Regulatory information	on		
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 7	07, Subpt. D)	
Not regulated.			
SARA 304 Emergency relea	ase notification		
Not regulated.			
OSHA Specifically Regulate	ed Substances (29 CFF	र 1910.1001-1052)	
Not regulated.			
US EPCRA (SARA Title III)	Section 313 - Toxic Ch	emical: Listed substance	
CYCLOHEXANE (CAS	110-82-7)		
METHANOL (CAS 67-56			
METHYL ISOBUTYL KE			
N-HEXANE (CAS 110-5			
CERCLA Hazardous Subst	-		
cyclohexane (CAS 110-8		Listed.	
methanol (CAS 67-56-1)		Listed.	
	methyl isobutyl ketone (CAS 108-10-1) Listed.		
n-hexane (CAS 110-54-3 CERCLA Hazardous Subst	,	Listed.	
		-	
cyclohexane (CAS 110-8	82-7)	1000 LBS	
Material name: Chlor-Free® Degreas	ser	SDS U	

methanol (CAS 67-56-1) methyl isobutyl ketone (CAS 108-10-1) n-hexane (CAS 110-54-3)		5000 LBS 5000 LBS 5000 LBS	5000 LBS 5000 LBS	
Spills or releases result Response Center (800-	ing in the loss of any ingr 424-8802) and to your Lo	edient at or above its RO	Q require immediate notification to the N	ational
Other federal regulations				
Clean Air Act (CAA) Section methanol (CAS 67-56-1 methyl isobutyl ketone n-hexane (CAS 110-54 Clean Air Act (CAA) Section Not regulated.	l) (CAS 108-10-1) -3)		FR 68.130)	
Safe Drinking Water Act (SDWA)	Not regulated.			
Drug Enforcement Ad Chemical Code Numb		2, Essential Chemical	s (21 CFR 1310.02(b) and 1310.04(f)(2	) and
	methyl isobutyl ketone (CAS 108-10-1) Drug Enforcement Administration (DEA). List 1		al Mixtures (21 CFR 1310.12(c))	
, , ,	one (CAS 108-10-1) Il Mixtures Code Numbe	35 %WV er		
FEMA Priority Substa		6715 and Safety in the Flav	or Manufacturing Workplace	
	one (CAS 108-10-1)	Low priority Low priority		
Food and Drug Administration (FDA)	Not regulated.			
SARA 302 Extremely haza Not listed.	Aspiration hazard Hazard not otherwise	toxicity (single or repeat	ed exposure)	
SARA 313 (TRI reporting)		010		
Chemical name cyclohexane methanol n-hexane		CAS number 110-82-7 67-56-1 110-54-3	<mark>% by wt.</mark> 70 - 80 3 - 5 < 1	
US state regulations		110-04-0		
US. New Jersey Worker a	nd Community Right-to-	Know Act		
n-hexane (CAS 110-54 US. Massachusetts RTK -	-82-7) (CAS 108-10-1) ydrotreated light (CAS 64 -3) <b>Substance List</b>	742-49-0)		
2-methylpentane (CAS cyclohexane (CAS 110 ethanol (CAS 64-17-5) methanol (CAS 67-56-1 methyl isobutyl ketone naphtha (petroleum), hy n-hexane (CAS 110-54	-82-7)  ) (CAS 108-10-1) ydrotreated light (CAS 64	742-49-0)		
Material name: Chlor-Free® Degrea No. 03187 (Item# 1003442) Vers		2-13-2018 Issue date <sup>,</sup> 08-	27-2014	1 <sup>.</sup>
		- 10 2010 13300 uale. 00		

US. Pennsylvania Worker ar	nd Community Right-to-Know	law				
2-methylpentane (CAS 107-83-5)						
cyclohexane (CAS 110-8	cyclohexane (CAS 110-82-7)					
	ethanol (CAS 64-17-5)					
	methanol (CAS 67-56-1) methyl isobutyl ketone (CAS 108-10-1)					
	rotreated light (CAS 64742-49-0	)				
n-hexane (CAS 110-54-3	)					
US. Rhode Island RTK	0.7\					
cyclohexane (CAS 110-8) ethanol (CAS 64-17-5)	2-7)					
methanol (CAS 67-56-1)						
	methyl isobutyl ketone (CAS 108-10-1)					
naprina (petroleum), nyo n-hexane (CAS 110-54-3	rotreated light (CAS 64742-49-0	)				
California Proposition 65	/					
-	ncer and Reproductive Harm - v	vww.P65Warnings.ca.gov				
<u>/!\</u>						
California Proposition 6	5 - CRT: Listed date/Carcinog	enic substance				
benzene (CAS 71-43	,	Listed: February 27, 1987				
methyl isobutyl ketor	ie (CAS 108-10-1) i <b>5 - CRT: Listed date/Develop</b> n	Listed: November 4, 2011				
benzene (CAS 71-43		Listed: December 26, 1997				
methanol (CAS 67-5		Listed: March 16, 2012				
	methyl isobutyl ketone (CAS 108-10-1) Listed: March 28, 2014					
toluene (CAS 108-88 California Proposition 6	ःउ) इ5 - CRT: Listed date/Male repr	Listed: January 1, 1991				
benzene (CAS 71-43	-	Listed: December 26, 1997				
n-hexane (CAS 110- US. California. Candida	n-hexane (CAS 110-54-3) US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3,					
subd. (a))						
methanol (CAS 67-5 methyl isobutyl ketor	,					
	hydrotreated light (CAS 64742-	49-0)				
n-hexane (CAS 110-	54-3)					
Volatile organic compounds (VC EPA	OC) regulations					
VOC content (40 CFR	100 %					
51.100(s))						
Consumer products	Not regulated					
(40 CFR 59, Subpt. C)						
State Consumer products	This product is not for retail sa	le. It is for use in the manufacturing proces	s only			
VOC content (CA)	100 %	SP	<b>,</b>			
VOC content (OTC)	100 %					
International Inventories						
Country(s) or region	Inventory name		On inventory (yes/no)*			
Australia	Australian Inventory of Chemi	cal Substances (AICS)	Yes			
Canada	Domestic Substances List (DS	SL)	Yes			
Canada	Non-Domestic Substances Lis	t (NDSL)	No			
China	Inventory of Existing Chemical Substances in China (IECSC) Yes					
Europe	European Inventory of Existing Substances (EINECS)	g Commercial Chemical	Yes			
Europe	European List of Notified Cher	nical Substances (ELINCS)	No			
Japan	Inventory of Existing and New Chemical Substances (ENCS) Yes					
Korea	Existing Chemicals List (ECL)		Yes			

Country(s) or region	Inventory name	On inventory (yes/no)*
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	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 Revision date Prepared by Version #	08-27-2014 12-13-2018 Allison Yoon 04
Further information	CRC # 463A-C/1008112-1002461
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<b>Revision information</b>	This document has undergone significant changes and should be reviewed in its entirety.