

VALCO CINCINNATI CONSUMER PRODUCTS INC.
ADDRESS: 411 CIRCLE FREEWAY DRIVE, CINCINNATI, OHIO 45246
SAFETY DATA SHEET
MATERIAL NAME: WHITE LITHIUM GREASE
PART NUMBER: 795XX903
EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053
PRODUCT INFORMATION NO. (513) 874-6550
DATE ISSUED: JUNE 2015

SECTION I – GENERAL INFORMATION

MANUFACTURER'S NAME: LUBRIMATIC
TRADE NAMES & SYNONYMS: WHITE LITHIUM #2 MOTOR ASSEMBLY GREASE

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

EMERGENCY OVERVIEW

PHYSICAL STATE: Solid (grease)
COLOR: White
ODOR: Mild. Petroleum Oil
HAZARD STATEMENTS: May cause Eye and Skin irritation
PRECAUTIONARY MEASURES: Do not eat, drink or smoke when using this product. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
OSHA/HCS STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29CR 1910.1200)
ROUTES OF ENTRY: Dermal contact. Eye contact. Inhalation. Ingestion.

POTENTIAL ACUTE HEALTH EFFECTS

INHALATION: No known significant effects or critical hazards
INGESTION: No known significant effects or critical hazards
SKIN: Slightly irritating to the skin. No significant irritation expected other than possible mechanical irritation.
EYES: Slightly irritating to the eyes. No significant irritation expected other than possible mechanical irritation.

POTENTIAL CHRONIC HEALTH EFFECTS

CHRONIC EFFECTS: Contains material that may cause target organ damage based on animal data
CARCINOGENICITY: No known significant effects or critical hazards
MUTAGENICITY: No known significant effects or critical hazards
TERATOGENICITY: No known significant effects or critical hazards
DEVELOPMENTAL EFFECTS: No known significant effects or critical hazards
FERTILITY EFFECTS: No known significant effects or critical hazards
TARGET ORGANS: Contains material which may cause damage to the following organs: lungs, upper respiratory tract, skin, eyes

OVER-EXPOSURE SIGNS/SYMPTOMS

INHALATION: No specific data
INGESTION: No specific data
SKIN: Adverse symptoms may include the following:
Irritation
Redness
EYES: Adverse symptoms may include the following:
Irritation
Watering
Redness

MEDICAL CONDITIONS AGGRAVATED BY OVER-EXPOSURE:

Pre-existing disorders involving any target organs mentioned in this SDS as being at risk may be aggravated by over-exposure to this product

SEE TOXICOLOGICAL INFORMATION (SECTION XI)

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

UNITED STATES

DESCRIPTION	CAS NUMBER	%
Distillates (petroleum), hydrotreated heavy naphthenic (<3% DMSO Extractables by IP346 test method)	64742-52-5	87-93
Zinc oxide United States – FDA Food additives generally recognized as safe GRAS 21CFR 182.5991, 182.8991	1314-13-2	1-5
Titanium dioxide	13463-67-7	1-5

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SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS (CONT)

CANADA

DESCRIPTION	CAS NUMBER	%
Distillates (petroleum), hydrotreated heavy naphthenic (<3% DMSO Extractables by IP346 test method)	64742-52-5	87-93
Zinc oxide United States – FDA Food additives generally recognized as safe GRAS 21CFR 182.5991, 182.8991	1314-13-2	1-5
Titanium dioxide	13463-67-7	1-5

MEXICO

NAME	CAS NUMBER	UN NUMBER	%	IDLH	H	CLASSIFICATION			SPECIAL
						F	R		
Distillates (petroleum), hydrotreated heavy Naphthenic (<3% DMSO Extractables by IP346 test method)	64742-52-5	Not Available	87-93	2500 mg/m ³	1	1	0		-
Zinc Oxide United States FDA Food additives generally recognized as safe GRAS 21CFR 182.5991, 182.8991	1314-13-2	Not Available	1-5	500 mg/m ³	1	0	0		-
Titanium dioxide	13463-67-7	Not Available	1-5	5000 mg/m ³	1	0	0		-

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION IV – FIRST AID MEASURES

- EYE CONTACT:** Check for and remove any contact lenses. Immediately flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
- SKIN CONTACT:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
- INHALATION:** Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs; provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
- INGESTION:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- PROTECTION: (First Aiders)** No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
- NOTES TO PHYSICIAN:** No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

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SECTION V – FIRE FIGHTING MEASURES

FLAMMABILITY: No specific fire or explosion hazard

EXTINGUISHING MEDIA
SUITABLE: Use an extinguishing agent suitable for the surrounding fire
UNSUITABLE: None known

SPECIAL EXPOSURE HAZARDS: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: Decomposition products may include the following materials:
Metal Oxide
Oxides

SPECIAL EQUIPMENT: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION VI – ACCIDENTAL RELEASE MEASURES

PRECAUTIONS: (PERSONAL) No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section VIII).

PRECAUTIONS: (ENVIRONMENTAL) Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

METHODS FOR CLEAN UP

SMALL SPILL Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.

LARGE SPILL Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. NOTE: See Section XIII for waste disposal.

SECTION VII – HANDLING AND STORAGE

HANDLING: Put on appropriate personal protective equipment (See Section VIII). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

STORAGE: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (See Section X), food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

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SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

UNITED STATES

INGREDIENT	EXPOSURE LIMITS
Distillates (petroleum), hydrotreated heavy Naphthenic	ACGIH TLV (United States 6/20/14) TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction NIOSH REL (United States 4/20/13) TWA: 5 mg/m ³ 10 hours. Form: Mist STEL: 10 mg/m ³ 15 minutes. Form: Mist OSHA PEL (United States 2/20/13) TWA: 5 mg/m ³ 8 hours.
ZINC OXIDE	NIOSH REL (United States 4/20/13) CEIL: 15 mg/m ³ Form: Dust TWA: 5 mg/m ³ 10 hours. Form: Dust and fumes STEL: 10 mg/m ³ 15 minutes. Form: Fume OSHA PEL 1989 (United States 3/1989) TWA: 5 mg/m ³ 8 hours. Form: Fume STEL: 10 mg/m ³ 15 minutes. Form: Fume TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 10 mg/m ³ 8 hours. Form: Total dust OSHA PEL (United States 2/20/13) TWA: 5 mg/m ³ 8 hours. Form Fume TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust
TITANIUM DIOXIDE	ACGIH TLV (United States 6/20/13) TWA: 2 mg/m ³ 8 hours. Form: Respirable fraction STEL: 10 mg/m ³ 15 minutes. Form: Respirable fraction ACGIH TLV (United States 6/20/13) TWA: 10 mg/m ³ 8 hours. OSHA PEL 1989 (United States 3/1989) TWA: 10 mg/m ³ 8 hours. Form: Total dust OSHA PEL (United States 2/20/13) TWA: 15 mg/m ³ 8 hours. Form: Total dust

CANADA

OCCUPATIONAL EXPOSURE LIMITS		TWA (8 hours)			STEL (15 mins)			CEILING			NOTATIONS
INGREDIENT	LIST NAME	ppm	mg/m ³	OTHER	ppm	mg/m ³	OTHER	ppm	mg/m ³	OTHER	
ZINC OXIDE	US ACGIH 6/2013	-	2	-	-	10	-	-	-	-	[a]
	AB 4/2009	-	2	-	-	10	-	-	-	-	[b]
	BC 7/2013	-	2	-	-	10	-	-	-	-	[b]
	ON 1/2013	-	2	-	-	10	-	-	-	-	[a]
	QC 12/2012	-	5	-	-	10	-	-	-	-	[c]
DISTILLATES (petroleum), hydrotreated Heavy naphthenic	US ACGIH 6/2013	-	5	-	-	-	-	-	-	-	[d]
	AB 4/2009	-	5	-	-	10	-	-	-	-	[e]
	ON 1/2013	-	5	-	-	10	-	-	-	-	[f]
TITANIUM DIOXIDE	QC 12/2012	-	5	-	-	10	-	-	-	-	[f]
	US ACGIH 6/2013	-	10	-	-	-	-	-	-	-	
	AB 4/2009	-	10	-	-	-	-	-	-	-	[3]
	BC 7/2013	-	3	-	-	-	-	-	-	-	[g]
	-	-	10	-	-	-	-	-	-	-	[h]
	ON 1/2013	-	10	-	-	-	-	-	-	-	
QC 12/2012	-	10	-	-	-	-	-	-	-	[i]	

[3] Skin Sensitization

Form: [a] Respirable fraction [b] Respirable [c] fume [d] Inhalable fraction [e] Mist [f]f mist [g] Respirable dust [h] Total dust [i] Total dust

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SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION (CONT)

MEXICO

OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT	EXPOSURE LIMITS
Distillates (petroleum), hydrotreated heavy naphthenic	NOM-010-STPS (MEXICO 9/2000) LMPE-PPT: 5 mg/m ³ 8 hours. Form: mist LMPE-CT: 10 mg/m ³ 15 minutes. Form: mist
Zinc Oxide	NOM-010-STPS (MEXICO 9/2000) LMPE-PPT: 10 mg/m ³ 8 hours. Form: powder LMPE-PPT: 5 mg/m ³ 8 hours. Form: smoke LMPE-CT: 10 mg/m ³ 15 minutes. Form: smoke
Titanium Dioxide	NOM-010-STPS (MEXICO 9/2000) LMPE-PPT: 10 mg/m ³ m (as Ti) 8 hours LMPE-CT: 20 mg/m ³ , (as Ti) 15 minutes

Consult local authorities for acceptable exposure limits.

RECOMMENDED MONITORING PROCEDURES:

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

ENGINEERING MEASURES:

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

HYGIENE MEASURES:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

PERSONAL PROTECTION

RESPIRATORY:

Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

HANDS:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

EYES:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: Chemical splash goggles.

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SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION (CONT)

SKIN: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

ENVIRONMENTAL EXPOSURE CONTROLS: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid [grease]
FLASH POINT: Not available
AUTO-IGNITION TEMPERATURE: Not available
FLAMMABLE LIMITS: Not available
COLOR: White
ODOR: Mild. Petroleum oil
pH: Not available
BOILING POINT: Not available
MELTING/FREEZING POINT: Not available
DENSITY: 0.9 g/cm³
VAPOR PRESSURE: Not available
VAPOR DENSITY: Not available
VOLATILITY: Not available
EVAPORATION RATE: Not available
VISCOSITY: Not available
DISPERSIBILITY PROPERTIES: Not available
SOLUBILITY: Insoluble in the following materials: cold water and hot water

SECTION X – STABILITY AND REACTIVITY

CHEMICAL STABILITY: The product is stable
CONDITIONS TO AVOID: No specific data
INCOMPATIBLE MATERIALS: No specific data
HAZARDOUS DECOMPOSITION PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced
POSSIBILITY OF HAZARDOUS REACTIONS: Under normal conditions of storage and use, hazardous reactions will not occur

SECTION XI – TOXICOLOGICAL INFORMATION

UNITED STATES

ACUTE TOXICITY

INGREDIENT NAME	RESULT	SPECIES	DOSE	EXPOSURE
Distillates (petroleum) Hydrotreated heavy Naphthenic	LD50 Oral	Rat	>5000 mg/kg	-

CONCLUSION/SUMMARY: Slightly irritating to the eyes and skin. No significant irritation expected other than possible mechanical irritation.

CHRONIC TOXICITY

CONCLUSION/SUMMARY: Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation.

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SECTION XI – TOXICOLOGICAL INFORMATION (CONT)

IRRITATION/CORROSION

INGREDIENT NAME	RESULT	SPECIES	SCORE	EXPOSURE	OBSERVATION
Zinc Oxide	Eyes – Mild Irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin – Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Titanium Dioxide	Skin – Mild irritant	Human	-	72 hours 300 Micrograms Intermittent	-

CONCLUSION/SUMMARY

SKIN: Slightly irritating to the skin. No significant irritation expected other than possible mechanical irritation.

EYES: Slightly irritating to the eyes. No significant irritation expected other than possible mechanical irritation.

RESPIRATORY: Repeated or prolonged exposure to spray or mist may product respiratory tract irritation. Pre-existing respiratory disorders may be aggravated by over-exposure to this product.

SENSITIZER CONCLUSION/SUMMARY

SKIN: No specific information is available in our database regarding the skin sensitizing properties of this product. Sensitization not suspected for humans.

RESPIRATORY: Sensitization not suspected for humans.

CARCINOGENICITY

CONCLUSION/SUMMARY: There are no data available on the mixture itself. Carcinogenicity not suspected for humans.

CLASSIFICATION

INGREDIENT NAME	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Zinc Oxide	A4	-	-	-	-	-

MUTAGENICITY

CONCLUSION/SUMMARY: There are no data available on the mixture itself. Mutagenicity not suspected for humans.

TERATOGENICITY

CONCLUSION/SUMMARY: There are no data available on the mixture itself. Teratogenicity not suspected for humans.

REPRODUCTIVE TOXICITY

CONCLUSION/SUMMARY: There are no data available on the mixture itself. Not considered to be dangerous to humans according to our database.

CANADA

ACUTE TOXICITY

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SECTION XI – TOXICOLOGICAL INFORMATION (CONT)
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IRRITATION/CORROSION

INGREDIENT NAME	RESULT	SPECIES	SCORE	EXPOSURE	OBSERVATION
Zinc Oxide	Eyes-Mild Irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin-Mild Irritant	Rabbit	-	24 hours 500 milligrams	-
Titanium Dioxide	Skin-Mild Irritant	Human	-	72 hours 300 micrograms intermittent	-

CONCLUSION/SUMMARY

SKIN: Slightly irritating to the skin. No significant irritation expected other than possible mechanical irritation.

EYES: Slightly irritating to the eyes. No significant irritation expected other than possible mechanical irritation.

RESPIRATORY: Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation. Pre-existing respiratory disorders may be aggravated by over-exposure to this product.

SENSITIZER

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SECTION XII – ECOLOGICAL INFORMATION

EXOTOXICITY: Not readily biodegradable

UNITED STATES

AQUATIC ECOTOXICITY

INGREDIENT NAME	RESULT	SPECIES	EXPOSURE
Zinc Oxide	Acute EC50 0.042 mg/l Fresh water	Algae-Pseudokirchneriella Subcapitata- Exponential growth phase	72 Hours
	Acute LC50 98 ug/l Fresh water	Daphnia-Daphnia magna-neonate	48 Hours
	Acute LC50 1.1 ppm Fresh water	Fish-Oncorhynchus mykiss	96 Hours
	Chronic NOEC 0.017 mg/l Fresh water	Algae-Pseudokirchneriella subcapitata- Exponential growth phase	72 Hours
Titanium Dioxide	Acute EC50 5.83 mg/l Fresh water	Algae-Pseudokirchneriella subcapitata- exponential growth phase	72 Hours
	Acute LC50 3 mg/l Fresh water	Crustaceans-Ceriodaphnia dubia- Neonate	48 Hours
	Acute LC50 5.5 Fresh water	Daphnia-Daphnia magna-Juvenile (Fledgling, Hatchling, Weanling)	48 Hours
	Acute LC50 1000 mg/l Fresh water	Fish-Pimephales promelas	96 Hours
	Chronic NOEC 0.984 mg/l Fresh water	Algae-Pseudokirchneriella subcapitata- Exponential growth phase	72 Hours

CONCLUSION/SUMMARY: There are no data available on the mixture itself.

PERSISTENCE/DEGRADABILITY

CONCLUSION/SUMMARY:

This product has not been tested for biodegradation. Not readily biodegradable. This product is not expected to bioaccumulate through food chains in the environment.

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SECTION XII – ECOLOGICAL INFORMATION(CONT)

CANADA

ACQUATIC ECOTOXICITY

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	EXPOSURE
Zinc Oxide	Acute EC50 0.42 mg/l Fresh water	Algae-Pseudokirchneriella subcapitata-exponential growth phase	72 Hours
	Acute LC50 98 ug/l Fresh water	Daphnia-Daphnia magna-Neonate	48 Hours
	Acute LC50 1.1 ppm Fresh water	Fish-Oncorhynchus mykiss	96 Hours
	Chronic NOEC 0.017 mg/l Fresh water	Algae-Pseudokirchneriella subcapitata-Exponential growth phase	72 Hours
Titanium Dioxide	Acute EC50 5.83 mg/l Fresh water	Algae-Pseudokirchneriella subcapitata-Exponential growth phase	72 Hours
	Acute LC50 3 mg/l Fresh water	Crustaceans-Ceriodaphnia dubia-Neonate	48 Hours
	Acute LC50 5.5 ppm Fresh water	Daphnia-Daphnia magna-Juvenile (Fledgling, Hatchling, Weanling)	48 Hours
	Acute LC50 1000 mg/l Fresh water	Fish-Pimephales promelas	96 Hours
	Chronic NOEC 0.984 mg/l Fresh water	Algae-Pseudokirchneriella subcapitata-Exponential growth phase	72 Hours

CONCLUSION/SUMMARY:
PERSISTENCE/DEGRADABILITY
CONCLUSION/SUMMARY:

There are not data available on the mixture itself.

This product has not been tested for biodegradation. Not readily biodegradable.
This product is not expected to bioaccumulate through food chains in the environment.

MEXICO
ACQUATIC ECOTOXICITY

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	EXPOSURE
Zinc Oxide	Acute EC50 0.042 mg/l Fresh water	Algae-Pseudokirchneriella subcapitata-Exponential growth phase	72 Hours
	Acute LC50 98 ug/l Fresh water	Daphnia-Daphnia magna-Neonate	48 Hours
	Acute LC50 1.1 ppm Fresh water	Fish-Oncorhynchus mykiss	96 Hours
	Chronic NOEC 0.017 mg/l Fresh water	Algae-Pseudokirchneriella subcapitata-Exponential growth phase	72 Hours
Titanium Dioxide	Acute EC50 5.83 mg/l Fresh water	Algae-Pseudokirchneriella subcapitata-Exponential growth phase	72 Hours
	Acute LC50 3 mg/l Fresh water	Crustaceans-Ceriodaphnia dubia-Neonate	48 Hours
	Acute LC50 5.5 ppm Fresh water	Daphnia-Daphnia magna-Juvenile (Fledgling, Hatchling, Weanling)	48 Hours
	Acute LC50 1000 mg/l Fresh water	Fish-Pimephales promelas	96 Hours
	Chronic NOEC 0.984 mg/l Fresh water	Algae-Pseudokirchneriella subcapitata-Exponential growth phase	72 Hours

VALCO CINCINNATI CONSUMER PRODUCTS INC.
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SAFETY DATA SHEET
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EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053
PRODUCT INFORMATION NO. (513) 874-6550
DATE ISSUED: JUNE 2015

SECTION XII – ECOLOGICAL INFORMATION(CONT)

CONCLUSION/SUMMARY: There are no data available on the mixture itself.

PERSISTENCE/DEGRADABILITY CONCLUSION/SUMMARY: This product has not been tested for biodegradation. Not readily biodegradable. This product is not expected to bioaccumulate through food chains in the environment.

SECTION XIII – DISPOSAL

WASTE DISPOSAL: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

DISPOSAL SHOULD BE IN ACCORDANCE WITH APPLICABLE REGIONAL, NATIONAL AND LOCAL LAWS AND REGULATIONS.

SECTION XIV – TRANSPORTATION

REGULATORY INFORMATION	UN NUMBER	PROPER SHIPPING NAME	CLASS	PG*	LABEL	ADDITIONAL INFORMATION
DOT Classification	Not Regulated	-	-	-	-	-
TDG Classification	Not Regulated	-	-	-	-	-
Mexico Classification	Not Regulated	-	-	-	-	-
ADR/RID Class	Not Regulated	-	-	-	-	-
IMDG Class	Not Regulated	-	-	-	-	-
IATA-DGR Class	Not Regulated	-	-	-	-	-

PG*: Packing Group

SECTION XV – REGULATORY INFORMATION

UNITED STATES

HCS Classification: Target organ effects
U.S. Federal Regulations: TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States Inventory (TSCA 8b): All components are listed or exempted.

SARA 302/304: No products were found.
 SARA 311/312 Hazards Identification: Delayed (chronic) health hazard

Clean Water Act (CWA) 307: Zinc oxide; zinc bis(dipentylidithiocarbamate)

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SECTION XV – REGULATORY INFORMATION (CONT)

CLEAN AIR ACT SECTION 112: Not listed
(b) Hazardous Air Pollutants (HAPs)

CLEAN AIR ACT SECTION 602: Not listed
Class I Substances

DEA LIST I CHEMICALS: Not listed
(Precursor Chemicals)

DEAL LIST II CHEMICALS: Not listed
(Essential Chemicals)

SARA 313

	PRODUCT NAME	CAS NUMBER	CONCENTRATION
Form R-Reporting: requirements	Zinc oxide Lead – impurity in zinc	1314-13-2 7439-92-1	1-5 <0.0001
Supplier notification:	Zinc oxide	1314-13-2	1-5

Sara 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

STATE REGULATIONS

Connecticut Carcinogen Reporting:	None of the components are listed
Connecticut Hazardous Material Survey:	None of the components are listed
Florida substances:	None of the components are listed
Illinois Chemical Safety Act	None of the components are listed
Illinois Toxic Substances Disclosure To Employee Act	None of the components are listed
Louisiana Reporting:	None of the components are listed
Louisiana Spill:	None of the components are listed
Massachusetts Spill:	None of the components are listed
Massachusetts Substances:	The following components are listed: Zinc Oxide Fume; Titanium Dioxide
Michigan Critical Material:	None of the components are listed
Minnesota Hazardous Substances:	None of the components are listed
New Jersey Spill:	None of the components are listed
New Jersey Toxic Catastrophe Prevention Act	None of the components are listed
New Jersey Hazardous Substances:	The following components are listed: Zinc Oxide; Titanium Dioxide; Titanium Oxide (TiO2)
New York Acutely Hazardous Substances:	None of the components are listed
New York Toxic Chemical Release Reporting:	None of the components are listed
Pennsylvania RTK Hazardous Substances:	The following components are listed: Zinc Oxide (ZNO); Titanium Oxide (TiO2)
Rhode Island Hazardous Substances:	None of the components are listed

CALIFORNIA PROP 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

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SECTION XV – REGULATORY INFORMATION (CONT)

INGREDIENT NAME	CANCER	REPRODUCTIVE	NO SIGNIFICANT RISK LEVEL	MAXIMUM ACCEPTABLE DOSAGE LEVEL
Lead – impurity in zinc Cadmium (non-pyrophoric) – impurity in zinc	Yes Yes	Yes Yes	15 ug/day (ingestion) 0.05 ug/day (inhalation)	Yes 4.1 ug/day (ingestion)

UNITED STATES INVENTORY: (TSCA 8b) All components are listed or exempted.

CANADA WHMIS (CANADA): Not controlled under WHMIS (Canada).

CANADIAN LISTS
CANADIAN NPRI: The following components are listed: Zinc (and its compounds)
CEPA TOXIC SUBSTANCES: None of the components are listed.
CANADA INVENTORY; DSL/NDL: All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

MEXICO

CLASSIFICATION:



INTERNATIONAL REGULATIONS
INTERNATIONAL LISTS:

Australia inventory (AICS): All components are listed or exempted.
 China inventory (IECSC): All components are listed or exempted.
 Japan inventory: All components are listed or exempted.
 Korea inventory: All components are listed or exempted.
 Malaysia inventory (EHS Register): Not determined.
 New Zealand inventory of Chemicals (NZIoC): All components are listed or exempted.
 Philippines inventory (PICCS): All components are listed or exempted.
 Taiwan inventory (CSNN): Not determined.
 Europe inventory: All components are listed or exempted.

CHEMICAL WEAPONS: Not listed
CONVENTION LIST SCHEDULE I CHEMICALS

CHEMICAL WEAPONS: Not listed
CONVENTION LIST SCHEDULE II CHEMICALS

CHEMICAL WEAPONS: Not listed
CONVENTION LIST SCHEDULE III CHEMICALS

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SECTION XVI – OTHER INFORMATION

LABEL REQUIREMENTS: May cause eye and skin irritation.

**HAZARDOUS MATERIAL:
INFORMATION SYSTEM (USA)**

Health	*	1
Flammability		1
Physical hazards		0
		B

CAUTION: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them.

The customer is responsible for determining the PPE code for this material.

**NATIONAL FIRE PROTECTION:
ASSOCIATION (USA)**



TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE; OBTAINED FROM SOURCES BELIEVED BY VALCO CINCINNATI, INC. TO BE ACCURATE. SINCE THE CONDITIONS AND METHODS OF USE OF OUR PRODUCT ARE BEYOND OUR CONTROL, WE DISCLAIM ANY AND ALL LIABILITY ARISING OUT OF THE IMPROPER USE OF THIS PRODUCT OR THE INFORMATION PROVIDED HERE WITH.