

VALCO CINCINNATI CONSUMER PRODUCTS INC.
MATERIAL SAFETY DATA SHEET
MATERIAL NAME: NON METALLIC ANTI-SEIZE (710XX760)
EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053
PRODUCT INFORMATION NO.: (513) 874-6550
DATE ISSUED: FEBRUARY 1, 2018

SECTION 1 – GENERAL INFORMATION

MANUFACTURER'S NAME: VALCO CINCINNATI, INCORPORATED
ADDRESS: 411 CIRCLE FREEWAY DRIVE, CINCINNATI, OHIO 45246
IDENTITY: NON METALLIC ANTI-SEIZE
SHELF LIFE: 2 YEARS

SECTION 2 – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

2.1. Classification of the substance or mixture

No applicable GHS categories.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

No applicable GHS categories.

[Prevention]:

No GHS prevention statements

[Response]:

No GHS response statements

[Storage]:

No GHS storage statements

[Disposal]:

No GHS disposal statements

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil-unspecified CAS Number: 0064742-52-5	50 - 75	Asp. Tox. 1;H304	[1]
Calcined Kaolin CAS Number: 0066402-68-4	25 - 50	Not Classified	[1]
Graphite CAS Number: 0007782-42-5	10 - 25	Not Classified	[1][2]
TALC (Mg ₃ H ₂ (SiO ₃) ₄) CAS Number: 0014807-96-6	5 - 10	Not Classified	[1][2]
Petroleum Oil CAS Number: 0064742-58-1	1 - 5	Not Classified	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

VALCO CINCINNATI CONSUMER PRODUCTS INC.
MATERIAL SAFETY DATA SHEET
MATERIAL NAME: NON METALLIC ANTI-SEIZE (710XX760)
EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053
PRODUCT INFORMATION NO.: (513) 874-6550
DATE ISSUED: FEBRUARY 1, 2018

SECTION 4 – FIRST AID MEASURES

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Overview	<u>Skin</u> : Defatting to the skin. Prolonged or repeated exposure can cause irritation and dermatitis. <u>Eyes</u> : Eye irritant. May cause redness, tearing and blurred vision <u>Inhalation</u> : Not expected <u>Ingestion</u> : May cause nausea, vomiting or diarrhea.
-----------------	---

SECTION 5 – FIRE FIGHTING MEASURES

5.1. Extinguishing media

Dry chemical, foam, CO2, water.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Carbon monoxide

5.3. Advice for fire-fighters

Fire may produce dense smoke, firefighters should wear self contained breathing apparatus. Use water to cool fire-exposed containers, containers heated by fire can support combustion

ERG Guide No. ----

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Mop up or otherwise absorb and hold for disposal.

VALCO CINCINNATI CONSUMER PRODUCTS INC.
MATERIAL SAFETY DATA SHEET
MATERIAL NAME: NON METALLIC ANTI-SEIZE (710XX760)
EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053
PRODUCT INFORMATION NO.: (513) 874-6550
DATE ISSUED: FEBRUARY 1, 2018

SECTION 7 – HANDLING AND STORAGE

7.1. Precautions for safe handling

Use good personal hygiene practices

7.2. Conditions for safe storage, including any incompatibilities

Keep out of reach of children. Store in a cool, dry location. Do not store near open flame or sparks. Keep container closed during storage. For institutional use only.

Incompatible materials: Strong oxidizers, concentrated oxygen.

7.3. Specific end use(s)

No data available.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0007782-42-5	Graphite	OSHA	TWA 15 mg/m3 TWA 15 mppcf
		ACGIH	TWA: 2 mg/m3
		NIOSH	TWA 2.5 mg/m3 (resp)
		Supplier	No Established Limit
0014807-96-6	TALC (Mg3H2(SiO3)4)	OSHA	TWA 20 mppcf
		ACGIH	Containing asbestos fibres TWA: 0.1 f/cc (K) A1, 1 Containing no asbestos fibres TWA: 2 mg/m3 (E) (respirable)
		NIOSH	TWA 2 mg/m3 (resp)
		Supplier	No Established Limit
0064742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil-unspecified	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0064742-58-1	Petroleum Oil	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0066402-68-4	Calcined Kaolin	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m3 OSHA PEL and 10 mg/m3 ACGIH.

Carcinogen Data

CAS No.	Ingredient	Source	Value
0007782-42-5	Graphite	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0014807-96-6	TALC (Mg3H2(SiO3)4)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0064742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil-unspecified	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

VALCO CINCINNATI CONSUMER PRODUCTS INC.
 MATERIAL SAFETY DATA SHEET
 MATERIAL NAME: NON METALLIC ANTI-SEIZE (710XX760)
 EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053
 PRODUCT INFORMATION NO.: (513) 874-6550
 DATE ISSUED: FEBRUARY 1, 2018

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION (CONT)

0064742-58-1	Petroleum Oil	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0066402-68-4	Calcined Kaolin	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes Safety glasses or face shield if method of dispensing promotes splashing.

Skin Safety gloves are recommended.

Engineering Controls Local exhaust suggested.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Black Paste
Odor	Hydrocarbon
Odor threshold	Not determined
pH	Not Measured
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	600°F
Flash Point	> 450°F (TCC)
Evaporation rate (Ether = 1)	< 1
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured
Vapor pressure (Pa)	< 10
Vapor Density	> 1
Specific Gravity	1.05
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
% Volatile	0%
Texture	Oily Texture

9.2. Other information

No other relevant information.

SECTION 10 – STABILITY AND REACTIVITY

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

VALCO CINCINNATI CONSUMER PRODUCTS INC.
 MATERIAL SAFETY DATA SHEET
 MATERIAL NAME: NON METALLIC ANTI-SEIZE (710XX760)
 EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053
 PRODUCT INFORMATION NO.: (513) 874-6550
 DATE ISSUED: FEBRUARY 1, 2018

SECTION 10 – STABILITY AND REACTIVITY (CONT)

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Excessive heat and open flame.

10.5. Incompatible materials

Strong oxidizers, concentrated oxygen.

10.6. Hazardous decomposition products

Carbon monoxide

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil-unspecified - (64742-52-5)	> 5,000.00, Rat - Category: NA	No data available	No data available	5.70, Rat - Category: NA	No data available
Calcined Kaolin - (66402-68-4)	No data available	No data available	No data available	No data available	No data available
Graphite - (7782-42-5)	No data available	No data available	No data available	No data available	No data available
TALC (Mg3H2(SiO3)4) - (14807-96-6)	No data available	No data available	No data available	No data available	No data available
Petroleum Oil - (64742-58-1)	No data available	No data available	No data available	No data available	No data available

VALCO CINCINNATI CONSUMER PRODUCTS INC.
 MATERIAL SAFETY DATA SHEET
 MATERIAL NAME: NON METALLIC ANTI-SEIZE (710XX760)
 EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053
 PRODUCT INFORMATION NO.: (513) 874-6550
 DATE ISSUED: FEBRUARY 1, 2018

SECTION 11 – TOXICOLOGICAL INFORMATION (CONT)

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

SECTION 12 – ECOLOGICAL INFORMATION

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil-unspecified - (64742-52-5)	5,000.00, Oncorhynchus mykiss	1,000.00, Daphnia magna	1,000.00 (96 hr), Scenedesmus subspicatus
Calcined Kaolin - (66402-68-4)	Not Available	Not Available	Not Available
Graphite - (7782-42-5)	Not Available	Not Available	Not Available
TALC (Mg3H2(SiO3)4) - (14807-96-6)	Not Available	Not Available	Not Available
Petroleum Oil - (64742-58-1)	Not Available	Not Available	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

VALCO CINCINNATI CONSUMER PRODUCTS INC.
 MATERIAL SAFETY DATA SHEET
 MATERIAL NAME: NON METALLIC ANTI-SEIZE (710XX760)
 EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053
 PRODUCT INFORMATION NO.: (513) 874-6550
 DATE ISSUED: FEBRUARY 1, 2018

SECTION 13 - DISPOSAL

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

SECTION 14 - TRANSPORTATION

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: No		
14.6. Special precautions for user			
	No further information		

SECTION 15 – REGULATORY INFORMATION

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA inventory.

WHMIS Classification Not Regulated

US EPA Tier II Hazards

Fire: No
Sudden Release of Pressure: No
Reactive: No
Immediate (Acute): No
Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs:
 To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

- Calcined Kaolin
- TALC (Mg3H2(SiO3)4)

VALCO CINCINNATI CONSUMER PRODUCTS INC.
MATERIAL SAFETY DATA SHEET
MATERIAL NAME: NON METALLIC ANTI-SEIZE (710XX760)
EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053
PRODUCT INFORMATION NO.: (513) 874-6550
DATE ISSUED: FEBRUARY 1, 2018

SECTION 15 – REGULATORY INFORMATION (CONT)

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

Graphite

TALC (Mg₃H₂(SiO₃)₄)

Pennsylvania RTK Substances (>1%):

Graphite

TALC (Mg₃H₂(SiO₃)₄)

SECTION 16 – OTHER INFORMATION

The full text of the phrases appearing in section 3 is:

H304 May be fatal if swallowed and enters airways.

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.