

SAFETY DATA SHEET



Rucoat Equalizer Plus

Revision Date: 11/17

- (e) **Incompatible materials:** None identified.
- (f) **Hazardous decomposition products:** Above 800°C, calcium carbonate (limestone) may decompose to calcium oxide (CaO).
- (g) **Hazardous Polymerization:** Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

- (a) **Information on likely routes of exposure:**
 - **Inhalation:** Inhalation of high concentrations of dust during sanding can irritate the nose, throat, and the upper respiratory tract.
 - **Accidental Ingestion:** Do not ingest. No known adverse effect.
 - **Skin contact:** Direct, prolonged or repeated contact with the skin can cause irritation.
 - **Eye contact:** Direct contact with the eye can cause temporary irritation.
- (b) **Symptoms related to physical, chemical and toxicological characteristics:** irritation.
- (c) **Delayed and immediate effects and also chronic effects from short- and long-term exposure:**
Prolonged or repeated exposure to airborne dust containing crystalline silica can cause severe scarring of the lungs, a disease called silicosis. The risk of developing silicosis is dependent on the airborne concentration of respirable-size silica to which an employee is exposed and the duration of the exposure.
- (d) **Numerical measures of toxicity:** No toxicity data is available for the Ruco Equalizer Plus mixture as a whole.

Acute Toxicity (Oral)

Chemical	Tested % Weight	Model	LD ₅₀ Range (mg/kg bw)	Reference
Calcium Carbonate	10 - 40%	N/A	N/A	RTECS, 2013
Ethylene Vinyl Acetate Polymer	0 - 15%	Rodent	>2,000 mg/kg	Supplier MSDS, 2013
Pyrophyllite	0 - 10%	N/A	N/A	Supplier MSDS, 2013
Anhydrous Aluminum Silicate	0 - 10%	N/A	N/A	Supplier MSDS, 2012
Titanium Dioxide	0 - 10%	N/A	N/A	RTECS, 2013
Attapulgate	0 - 4%	N/A	N/A	HSDB, 2013
Crystalline Silica (Quartz)	0 - 1%	N/A	N/A	RTECS, 2013; HSDB, 2013

Acute Toxicity (Dermal)

Chemical	Tested % Weight	Model	LD ₅₀ Range (mg/kg bw)	Reference
Calcium Carbonate	10 - 40%	N/A	N/A	RTECS, 2013
Ethylene Vinyl Acetate Polymer	0 - 15%	N/A	N/A	Supplier MSDS, 2013
Pyrophyllite	0 - 10%	N/A	N/A	Supplier MSDS, 2013
Anhydrous Aluminum Silicate	0 - 10%	N/A	N/A	Supplier MSDS, 2012
Titanium Dioxide	0 - 10%	N/A	N/A	RTECS, 2013
Attapulgate	0 - 4%	N/A	N/A	HSDB, 2013
Crystalline Silica (Quartz)	0 - 1%	N/A	N/A	RTECS, 2013; HSDB, 2013

SAFETY DATA SHEET



Rucoat Equalizer Plus

Revision Date: 1/26/2018

Acute Toxicity (Inhalation)				
Chemical	Tested % Weight	Model	LD ₅₀ Range (mg/kg bw)	Reference
Calcium Carbonate	10 - 40%	N/A	N/A	RTECS, 2013
Ethylene Vinyl Acetate Polymer	0 - 15%	N/A	N/A	Supplier MSDS, 2013
Pyrophyllite	0 - 10%	N/A	N/A	Supplier MSDS, 2013
Anhydrous Aluminum Silicate	0 - 10%	N/A	N/A	Supplier MSDS, 2012
Titanium Dioxide	0 - 10%	N/A	N/A	RTECS, 2013
Attapulgit	0 - 4%	N/A	N/A	HSDB, 2013
Crystalline Silica (Quartz)	0 - 1%	N/A	N/A	RTECS, 2013; HSDB, 2013

Skin Corrosion/Irritation			
Chemical	% Weight	Symptom	Reference
Calcium Carbonate	10 - 40%	N/A	RTECS, 2013
Ethylene Vinyl Acetate Polymer	0 - 15%	N/A	No listing in RTECS or HSDB; Supplier MSDS (5/3/2013) states clinically relevant skin irritation hazard is not expected. "Conclusion by analogy OECD 404"
Pyrophyllite	0 - 10%	N/A	No listing in RTECS or HSDB; Supplier MSDS notes possible mechanical skin irritation
Anhydrous Aluminum Silicate	0 - 10%	N/A	Supplier MSDS, 2012
Titanium Dioxide	0 - 10%	N/A	RTECS, 2013
Attapulgit	0 - 4%	N/A	HSDB, 2013
Crystalline Silica (Quartz)	0 - 1%	N/A	RTECS, 2013; HSDB, 2013

Eye Damage/Irritation			
Chemical	% Weight	Symptom	Reference
Calcium Carbonate	10 - 40%	N/A	RTECS, 2013; Supplier MSDS notes slightly irritating to the eyes
Ethylene Vinyl Acetate Polymer	0 - 15%	N/A	No listing in RTECS or HSDB; Supplier MSDS (5/3/2013) states clinically relevant eye irritation hazard is not expected. "Conclusion by analogy OECD 405"
Pyrophyllite	0 - 10%	N/A	No listing in RTECS or HSDB; Supplier MSDS notes with regards to the eyes: "May cause mechanical irritation"
Anhydrous Aluminum Silicate	0 - 10%	N/A	Supplier MSDS, 2012
Titanium Dioxide	0 - 10%	N/A	RTECS, 2013
Attapulgit	0 - 4%	N/A	HSDB, 2013; Supplier MSDS notes mild mechanical irritation to the eyes
Crystalline Silica (Quartz)	0 - 1%	N/A	RTECS, 2013;

SAFETY DATA SHEET



Rucoat Equalizer Plus

Revision Date: 1/26/2018

Respiratory Sensitization

Chemical	% Weight	Symptom	Reference
Calcium Carbonate	10 - 40%	N/A	RTECS, 2013
Ethylene Vinyl Acetate Polymer	0 - 15%	N/A	Supplier MSDS, 2013
Pyrophyllite	0 - 10%	N/A	Supplier MSDS, 2013
Anhydrous Aluminum Silicate	0 - 10%	N/A	Supplier MSDS, 2012
Titanium Dioxide	0 - 10%	N/A	RTECS, 2013
Attapulgit	0 - 4%	N/A	HSDB, 2013
Crystalline Silica (Quartz)	0 - 1%	N/A	RTECS, 2013; HSDB, 2013

Skin Sensitization

Chemical	% Weight	Symptom	Reference
Calcium Carbonate	10 - 40%	N/A	RTECS, 2013
Ethylene Vinyl Acetate Polymer	0 - 15%	N/A	Supplier MSDS, 2013
Pyrophyllite	0 - 10%	N/A	Supplier MSDS, LLC, 2013
Anhydrous Aluminum Silicate	0 - 10%	N/A	Supplier MSDS, 2012
Titanium Dioxide	0 - 10%	N/A	RTECS, 2013
Attapulgit	0 - 4%	N/A	HSDB, 2013
Crystalline Silica (Quartz)	0 - 1%	N/A	RTECS, 2013; HSDB, 2013

Germ Cell Mutagenicity

Chemical	% Weight	Symptom	Reference
Calcium Carbonate	10 - 40%	N/A	RTECS, 2013
Ethylene Vinyl Acetate Polymer	0 - 15%	N/A	No listing in RTECS or HSDB; Supplier MSDS notes: "Based on known data a significant mutagenic potential may be excluded... Conclusion by analogy OECD 471."
Pyrophyllite	0 - 10%	N/A	No listing in RTECS or HSDB; Supplier MSDS indicates there are no known mutagenic effects
Anhydrous Aluminum Silicate	0 - 10%	N/A	Supplier MSDS, 2012
Titanium Dioxide	0 - 10%	N/A	RTECS, 2013
Attapulgit	0 - 4%	N/A	HSDB, 2013 indicates no genetic studies found
Crystalline Silica (Quartz)	0 - 1%	N/A	RTECS, 2013

(e) Carcinogenicity:

Rucoat Equalizer Plus is not listed by the IARC, NTP, OSHA, or ACGIH as a carcinogen. Rucoat Equalizer Plus may contain crystalline silica, which can cause a disease called silicosis. Crystalline silica is classified by IARC as carcinogenic to humans (Group 1). The National Toxicology Program (NTP) has characterized respirable silica as "known to be a human carcinogen." The ACGIH lists silica as a suspected human carcinogen (Group

SAFETY DATA SHEET



Rucoat Equalizer Plus

Revision Date: 1/26/2018

Carcinogenicity

Compound	ACGIH	IARC	NTP	Cal 65
Calcium Carbonate (Limestone)	Not listed	Not listed	Not listed	Not listed
Ethylene Vinyl Acetate Polymer	Not listed	Not listed	Not listed	Not listed
Pyrophyllite	Not listed	Not listed	Not listed	Not listed
Anhydrous Aluminum Silicate (Calcined Kaolin)	Not listed	Not listed	Not listed	Not listed
Titanium Dioxide	A4-Not Classifiable as a Human Carcinogen	Group 2B -Possibly carcinogenic to humans	Not listed	Listed
Attapulgite (palygorskite)	Not listed	Not listed	Not listed	Listed
Crystalline Silica (Quartz)	A2- Suspected Human Carcinogen	Group 1 – Known Human Carcinogen	Known Human Carcinogen	Listed

SECTION 12: ECOLOGICAL INFORMATION

This product has no known adverse ecological effects.

- (a) Ecotoxicity: No Data
- (b) Persistence and degradability: No Data
- (c) Bioaccumulative potential: No Data
- (d) Mobility in soil: No Data
- (e) Other adverse effects: Not know to be hazardous to the ozone layer: No Data

SECTION 13: DISPOSAL CONSIDERATIONS

Description of waste residues and safe handling: Use normal clean up procedures. Floor may be slippery; use care to avoid falling. Scoop or shovel spilled material into an appropriate waste container for disposal. Never discharge large releases directly into sewers or surface waters.

Methods of disposal: Waste must be disposed in accordance with federal, state and local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION

This product is not a hazardous material per DOT shipping regulations.

- (a) UN number: No applicable information
- (b) UN proper shipping name: No applicable information
- (c) Transport Hazard classes: No applicable information
- (d) Packing group: No applicable information
- (e) Environmental hazards
 - i. Marine pollutant: No
- (f) Transport in bulk
 - i. IBC Code – No applicable information
 - ii. Annex II of MARPOL 73/78 - No applicable information
- (g) Special precautions: No applicable information

SAFETY DATA SHEET



Rucoat Equalizer Plus

Revision Date: 1/26/2018

SECTION 15: REGULATORY INFORMATION

OSHA/MSHA HAZARD COMMUNICATION: This product is considered hazardous and should be a part of the employer's hazard's communication program.

CERCLA- Not considered hazardous

EPCRA 302- Not considered hazardous

EPCRA 304- Not considered hazardous

SARA 313- Not considered hazardous

SECTION 16: OTHER INFORMATION

Date of Preparation or Last Change: 1/26/2018

Abbreviations and acronyms:

N/C – Not Classified – No concern based on consideration of the sum of available data.

N/D – Not Determined

N/A – Not Applicable or Not Available

N/R – Not Regulated

CAS – Chemical Abstract Service

EC – European Community

STOT – Specific Target Organ Toxicity

OSHA – US Occupational Safety and Health Organization

PEL – OSHA Permissible Exposure Limits

ACGIH – American Conference of Governmental Industrial Hygienists

TLV – ACGIH[®] Threshold Limit Values

REL – Recommended Exposure Limits

IDLH – Immediately Dangerous to Life or Health

TWA – Time Weighted Average – Average exposure over a specified period of time (i.e., 8 hours)

STEL - a 15-minute TWA exposure that should not be exceeded at any time during a work day.

Ceiling – Exposure limit which shall at no time be exceeded during the work day.

NE – None Established

APF – Assigned Protection Factor – the level of respiratory protection that a respirator is expected to provide.

UEL – Upper Explosive Limit – Highest concentration (percentage) of a gas or vapor in air capable of producing a flash fire in the presence of an ignition source

LEL – Lower Explosive Limit – Lowest concentration (percentage) of a gas or vapor in air capable of producing a flash fire in the presence of an ignition source.

UFL – Upper Flammability Limit - Maximum concentration of vapor in air above which propagation of a flame will not occur in the presence of an ignition source.

LFL – Lowest concentration at which a flammable mixture of gas or vapor in air can ignite at a given temperature and pressure.

IARC – International Agency for Research on Cancer

NTP – National Toxicology Program

NIOSH- National Institute for Occupational Safety and Health

NOAA – National Oceanic and Atmospheric Administration

GHS - Globally Harmonized System of Classification and Labeling of Chemicals

SAFETY DATA SHEET



Rucoat Equalizer Plus

Revision Date: 1/26/2018

RTECS – Registry of Toxic Effects of Chemical Substances

HSDB – Hazardous Substances Data Bank

Disclaimer:

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions