

FA-91

Version Number 1.0 Revision Date 08/31/2017 Page 1 of 19 Print Date 09/01/2017

SAFETY DATA SHEET

FA-91

Section 1. Identification

GHS product identifier : FA-91
Chemical name : Mixture
CAS number : Mixture
Other means of identification
Product type : liquid

Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial applications. Plastics.

Supplier's details : POLYONE CORPORATION

ColorMatrix Group Inc.

680 North Rocky River Drive, Berea, Ohio, 44017-1628, USA

+1 216 622 0100

Emergency telephone number

(with hours of operation)

CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or

accident).

Section 2. Hazards identification

This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. However, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions. After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard

Communication Standard (29 CFR 1910.1200).

Classification of the substance or

mixture

EYE IRRITATION - Category 2A

RESPIRATORY SENSITISATION - Category 1

GHS label elements



FA-91

Version Number 1.0 Page 2 of 19 Revision Date 08/31/2017 Print Date 09/01/2017

Hazard pictograms

Signal word : Danger

Hazard statements : Causes serious eye irritation.

May cause allergy or asthma symptoms or breathing difficulties if

inhaled.

Precautionary statements

General : Not applicable.

Prevention: Wear eye or face protection. Wear respiratory protection. Avoid

breathing vapor. Wash hands thoroughly after handling.

Response : IF INHALED: If breathing is difficult, remove person to fresh air and

keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or physician. 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

attention.

Storage : Not applicable.

Disposal: Dispose of contents and container in accordance with all local,

regional, national and international regulations.

Supplemental label elements: None known. **Hazards not otherwise classified**: None known.

Section 3. Composition/information on ingredients

Substance/mixture: MixtureChemical name: MixtureOther means of identification: CC10268732

CAS number/other identifiers

Ingredient name	%	CAS number
Sodium bicarbonate	10 - 30	144-55-8
Azodicarbonamide	5 - 10	123-77-3



FA-91

Version Number 1.0 Page 3 of 19 Revision Date 08/31/2017 Print Date 09/01/2017

Calcium oxide	1 - 5	1305-78-8
Miscellaneous Compounds Distillates, petroleum, hydrotreated middle	1 - 5	Not available.
Zinc oxide	1 - 5	1314-13-2
Quartz	0.1 - 1	14808-60-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Ingestion

Description of necessary first ard	asur es
Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, cal a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. In the event of any complaints or symptoms, avoid further exposure.
Skin contact	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Wash out mouth with water. Remove dentures if any. Remove victim



FA-91

Version Number 1.0 Revision Date 08/31/2017 Page 4 of 19 Print Date 09/01/2017

to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : May cause allergy or asthma symptoms or breathing difficulties if

inhaled.

Skin contactIngestionNo known significant effects or critical hazards.No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:

pain or irritation

watering

redness

Inhalation : Adverse symptoms may include the following:

wheezing and breathing difficulties

asthma

Skin contact: No specific data.Ingestion: No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms

may be delayed. The exposed person may need to be kept under

medical surveillance for 48 hours.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without

suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give



FA-91

Version Number 1.0 Revision Date 08/31/2017 Page 5 of 19 Print Date 09/01/2017

mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media Unsuitable extinguishing media

: In case of fire, use water spray (fog), foam, dry chemical or CO_2 .

None known.

Specific hazards arising from the chemical

Hazardous thermal decomposition products

In a fire or if heated, a pressure increase will occur and the container

may burst.

: Decomposition products may include the following materials:

carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides

Special protective actions for firefighters 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.

Special protective equipment for fire-fighters

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

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions

: 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).



FA-91

Version Number 1.0 Revision Date 08/31/2017 Page 6 of 19 Print Date 09/01/2017

Methods and materials for containment and cleaning up

Small spill

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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.

Advice on general occupational hygiene

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. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

: 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 10) and 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



FA-91

Version Number 1.0 Revision Date 08/31/2017 Page 7 of 19 Print Date 09/01/2017

appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Azodicarbonamide	
0.11.1.1	
Sodium bicarbonate	
Zinc oxide	OSHA PEL 1989 (1989-03-01)
	PEL: Permissible Exposure Level 5 mg/m3 Form: Fume
	Short-term exposure limit (STEL). A limit value beyond which
	there should be no exposure and which refers to a period of fifteen
	minutes, unless otherwise stated. 10 mg/m3 Form: Fume
	PEL: Permissible Exposure Level 10 mg/m3 Form: Total dust
	PEL: Permissible Exposure Level 5 mg/m3 Form: Respirable
	fraction
	OSHA PEL (1993-06-30)
	PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust
	PEL: Permissible Exposure Level 5 mg/m3 Form: Respirable
	fraction
	NIOSH REL (1994-06-01) Time Weighted Average (TWA) 5 mg/m3 Form: Dust and fumes
	Short-term exposure limit (STEL). A limit value beyond which
	there should be no exposure and which refers to a period of fifteen
	minutes, unless otherwise stated. 10 mg/m3 Form: Fume
	Ceiling-A concentration that should not be exceeded at any time
	during any part of the working day. 15 mg/m3 Form: Dust
	ACGIH TLV (2003-01-01)
	TLV-TWA: Threshold Limit Value - Time weighted average PEL:
	Permissible Exposure Level 2 mg/m3 Form: Respirable fraction
	TLV-STEL: Threshold Limit Value - Short Time Exposure Level
	10 mg/m3 Form: Respirable fraction
	OSHA PEL (1993-06-30)
	PEL: Permissible Exposure Level 5 mg/m3 Form: Fume



FA-91

Version Number 1.0 Revision Date 08/31/2017 Page 8 of 19 Print Date 09/01/2017

Miscellaneous Compounds Distillates, petroleum, hydrotreated middle	
Quartz	OSHA PEL 1989 (1989-03-01) Calculated as Quartz PEL: Permissible Exposure Level 0.1 mg/m3 Form: Respirable dust OSHA PEL Z3 (1997-09-03) Time Weighted Average (TWA) Form: Respirable Time Weighted Average (TWA) 10 mg/m3 Form: Respirable Time Weighted Average (TWA) 30 mg/m3 Form: Total dust NIOSH REL (1994-06-01) Time Weighted Average (TWA) 0.05 mg/m3 Form: Respirable dust ACGIH TLV (2005-12-09) TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 0.025 mg/m3 Form: Respirable fraction OSHA PEL (2016-06-23) PEL: Permissible Exposure Level 0.05 mg/m3 Form: Respirable dust
Calcium oxide	OSHA PEL 1989 (1989-03-01) PEL: Permissible Exposure Level 5 mg/m3 OSHA PEL (1993-06-30) PEL: Permissible Exposure Level 5 mg/m3 NIOSH REL (1994-06-01) Time Weighted Average (TWA) 2 mg/m3 ACGIH TLV (1994-09-01) TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 2 mg/m3
	 Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. 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.
Individual protection measures	
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



FA-91

Version Number 1.0 Revision Date 08/31/2017 Page 9 of 19 Print Date 09/01/2017

showers are close to the workstation location.

Eye/face protection : 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, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a

higher degree of protection: chemical splash goggles.

Skin protection

Hand protection: 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.

Body protection: 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.

Other skin protection : Appropriate footwear and any additional skin protection measures

should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this

product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that

meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper

fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state : liquid [liquid]

Color : NOT APPLICABLE

Odor Faint odor. **Odor threshold** Not available. Not available. pН **Melting point** Not available. **Boiling point** Not available. Flash point Not available. **Burning time** Not available. **Burning rate** Not available. **Evaporation rate** Not available.



FA-91

Version Number 1.0 Page 10 of 19 Print Date 09/01/2017 Revision Date 08/31/2017

Not available. Flammability (solid, gas)

Lower and upper explosive Lower: Not available. **Upper:** Not available. (flammable) limits

Not available. Vapor pressure Vapor density Not available. **Relative density** Not available. **Solubility** Not available. Solubility in water insoluble in water.

Partition coefficient: n-

octanol/water

Not available.

Auto-ignition temperature Not available. **Decomposition temperature** Not available. Not available. **SADT**

Viscosity **Dynamic:** Not available.

Kinematic: Not available.

Section 10. Stability and reactivity

No specific test data related to reactivity available for this product or Reactivity

its ingredients.

Stable under recommended storage and handling conditions (see **Chemical stability**

Section 7).

Under normal conditions of storage and use, hazardous reactions will Possibility of hazardous reactions

not occur.

Conditions to avoid Keep away from extreme heat and oxidizing agents.

Incompatible materials Keep away from strong acids.

Oxidizer.

Hazardous decomposition

products

Under normal conditions of storage and use, hazardous decomposition

products should not be produced.

Section 11. Toxicological information

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Azodicarbonamide				
	LD50 Oral	Rat	6,400 mg/kg	-
Sodium bicarbonate				



FA-91

Version Number 1.0 Revision Date 08/31/2017 Page 11 of 19 Print Date 09/01/2017

| LD50 Oral | Rat | 4,220 mg/kg | -

Conclusion/Summary : Mixture.Not fully tested.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Zinc oxide	Eyes - Mild irritant	Rabbit		24 hrs	-
	Skin - Mild irritant	Rabbit		24 hrs	-
Sodium bicarbonate	Eyes - Mild irritant	Rabbit		0.008 hrs	-
	Skin - Mild irritant	Human		72 hrs	-

Conclusion/Summary

Skin: Mixture.Not fully tested.Eyes: Mixture.Not fully tested.Respiratory: Mixture.Not fully tested.

Sensitization

Conclusion/Summary

SkinMixture.Not fully tested.RespiratoryMixture.Not fully tested.

Mutagenicity

Conclusion/Summary : Mixture.Not fully tested.

Carcinogenicity

Conclusion/Summary : Mixture.Not fully tested.

Classification

Product/ingredient	OSHA	IARC	NTP
name			
Quartz		1	Known to be a human carcinogen.

Reproductive toxicity

Conclusion/Summary : Mixture. Not fully tested.

Teratogenicity

Conclusion/Summary: Mixture.Not fully tested.



FA-91

Version Number 1.0 Page 12 of 19 Revision Date 08/31/2017 Print Date 09/01/2017

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Calcium oxide	Category 3		Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Quartz	Category 1		

Aspiration hazard

Product/ingredient name	Result
Miscellaneous Compounds Distillates, petroleum,	ASPIRATION HAZARD - Category 1
hydrotreated middle	

Information on likely routes of

exposure

Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : May cause allergy or asthma symptoms or breathing difficulties if

inhaled.

Skin contact: No known significant effects or critical hazards.Ingestion: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:

pain or irritation

watering redness

Inhalation : Adverse symptoms may include the following:

wheezing and breathing difficulties

asthma

Skin contact: No specific data.Ingestion: No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.



FA-91

Version Number 1.0 Revision Date 08/31/2017 Page 13 of 19 Print Date 09/01/2017

Long term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Potential chronic health effects

Conclusion/Summary : Mixture.Not fully tested.

General : Once sensitized, a severe allergic reaction may occur when

subsequently exposed to very low levels.

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.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	27,467.3 mg/kg
Route	ATE value
Inhalation (dusts and mists)	64.29 mg/l

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Calcium oxide			
	Chronic NOEC 100 mg/l Fresh	Fish - Fish	46 d
	water		
	Chronic NOEC 100 mg/l Fresh		46 d
	water		
	Chronic NOEC 100 mg/l Fresh	Fish - Fish	46 d
	water		
	Chronic NOEC 100 mg/l Fresh	Fish - Fish	46 d
	water		
	Chronic NOEC 100 mg/l Fresh	Fish - Fish	46 d
	water		



FA-91

Version Number 1.0 Revision Date 08/31/2017 Page 14 of 19 Print Date 09/01/2017

Zinc oxide			
	Acute LC50 2,246,000 µg/l Fresh water	Fish - Fish	96 h
	Acute LC50 1.1 mg/l Fresh water	Fish - Fish	96 h
	Acute LC50 2.525 mg/l Fresh	Fish - Fish	96 h
	water		
	Acute LC50 3.969 mg/l Fresh water	Fish - Fish	96 h
	Acute LC50 98 μg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute EC50 0.622 mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute EC50 1 mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute LC50 1.25 mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute EC50 0.481 mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute IC50 46 µg/l Fresh water	Aquatic plants - Algae	72 h
	Acute IC50 63 µg/l Fresh water	Aquatic plants - Algae	72 h
	Acute IC50 1.85 mg/l Marine water	Aquatic plants - Algae	96 h
	Acute IC50 2.97 mg/l Marine water	Aquatic plants - Algae	96 h
	Acute IC50 2.36 mg/l Marine water	Aquatic plants - Algae	96 h
Sodium bicarbonate			•
	Acute LC50 8,600,000 μg/l Fresh water	Fish - Fish	96 h
	Acute LC50 8,600,000 μg/l Fresh water	Fish - Fish	96 h
	Acute LC50 8,600,000 μg/l Fresh water	Fish - Fish	96 h
	Acute LC50 8,250,000 μg/l Fresh water	Fish - Fish	96 h
	Acute LC50 7,550 mg/l Fresh water	Fish - Fish	96 h
	Acute LC50 767.87 mg/l Marine water	Aquatic invertebrates. Crustaceans	48 h
	Acute LC50 1,415.51 mg/l Marine water	Aquatic invertebrates. Crustaceans	48 h
	Acute EC50 650,000 μg/l Fresh water	Aquatic plants - Algae	96 h
	Chronic NOEC 576 mg/l Fresh water	Aquatic invertebrates. Daphnia	21 d
FA-91			
Remarks - Acute - Aquatic	Dangerous for the environment: May	cause long term adverse e	ffects in the aquation
invertebrates.:	environment.	-	•



FA-91

Version Number 1.0 Revision Date 08/31/2017

Page 15 of 19 Print Date 09/01/2017

Dangerous for the environment: May cause long term adverse effects **Conclusion/Summary**

in the aquatic environment.

Persistence and degradability

Conclusion/Summary Not available.

Conclusion/Summary Dangerous for the environment: May cause long term adverse effects

in the aquatic environment.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Calcium oxide		2.34	low
Zinc oxide		60,960.00	high
Azodicarbonamide	1	-	low

Mobility in soil

Soil/water partition coefficient

(KOC)

Other adverse effects No known significant effects or critical hazards.

Not available.

Section 13. Disposal considerations

Disposal methods

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.

United States - RCRA Acute hazardous waste "P" List: Not listed

United States - RCRA Toxic hazardous waste "U" List: Not listed



FA-91

Version Number 1.0 Page 16 of 19 Revision Date 08/31/2017 Print Date 09/01/2017

Section 14. Transport information

U.S.DOT 49CFR

Ground/Air/Water

: Not regulated for transportation.

International Air ICAO/IATA

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

LIQUID, N.O.S. (Zinc Oxide), 9, PGIII, Marine Pollutant

International Water

IMO/IMDG

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

LIQUID, N.O.S. (Zinc Oxide), 9, PGIII, Marine Pollutant

Section 15. Regulatory information

U.S. Federal regulations

: United States - TSCA 12(b) - Chemical export notification: None

of the components are listed.

United States - TSCA 4(a) - Final Test Rules: Not listed United States - TSCA 4(a) - ITC Priority list: Not listed United States - TSCA 4(a) - Proposed test rules: Not listed

United States - TSCA 4(f) - Priority risk review: Not listed United States - TSCA 5(a)2 - Final significant new use rules: Not

listed

United States - TSCA 5(a)2 - Proposed significant new use rules:

Not listed

United States - TSCA 5(e) - Substances consent order: Not listed United States - TSCA 6 - Final risk management: Not listed United States - TSCA 6 - Proposed risk management: Not listed United States - TSCA 8(a) - Chemical risk rules: Not listed United States - TSCA 8(a) - Dioxin/Furane precusor: Not listed United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not

determined

United States - TSCA 8(a) - Preliminary assessment report

(PAIR): Not listed

United States - TSCA 8(c) - Significant adverse reaction (SAR):

Not listed

United States - TSCA 8(d) - Health and safety studies: Not listed United States - EPA Clean water act (CWA) section 307 - Priority

pollutants: Listed Zinc oxide

United States - EPA Clean water act (CWA) section 311 -

Hazardous substances: Listed

United States - EPA Clean air act (CAA) section 112 - Accidental

release prevention - Flammable substances: Not listed



FA-91

Version Number 1.0 Revision Date 08/31/2017

Page 17 of 19 Print Date 09/01/2017

United States - EPA Clean air act (CAA) section 112 - Accidental

release prevention - Toxic substances: Not listed

United States - Department of commerce - Precursor chemical:

Not listed

Not listed

Clean Air Act Section 112(b)

Hazardous Air Pollutants (HAPs)

Clean Air Act Section 602 Class I Not listed

Substances

Clean Air Act Section 602 Class II

Substances

DEA List I Chemicals (Precursor Chemicals)

DEA List II Chemicals (Essential

Chemicals)

Not listed Not listed

Not listed

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312

Classification Immediate (acute) health hazard

Composition/information on ingredients

Name	%	Classification
Quartz	0.1 - 1	СН
Calcium oxide	1 - 5	AH
Miscellaneous Compounds Distillates, petroleum, hydrotreated middle	1 - 5	AH
Zinc oxide	1 - 5	AH
Azodicarbonamide	5 - 10	AH
Sodium bicarbonate	10 - 30	AH

SARA 313

	Product name	CAS number	%
Form R - Reporting	Zinc oxide	1314-13-2	1 - 5
requirements			
Supplier notification	Zinc oxide	1314-13-2	1 - 5



FA-91

Version Number 1.0 Revision Date 08/31/2017 Page 18 of 19 Print Date 09/01/2017

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

Massachusetts: None of the components are listed.New York: None of the components are listed.New Jersey: The following components are listed:

Zinc oxide Calcium oxide Ouartz

Quartz

Pennsylvania : The following components are listed:

Zinc oxide

Calcium oxide

Quartz

California Prop. 65

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

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

Canada inventory : All components are listed or exempted.

International regulations

Inventory list

All components are listed or exempted. Australia Canada All components are listed or exempted. All components are listed or exempted. China **Europe inventory** All components are listed or exempted. Japan All components are listed or exempted. **New Zealand** All components are listed or exempted. **Philippines** All components are listed or exempted. Republic of Korea All components are listed or exempted.

Taiwan : Not determined.
Turkey : Not determined.

United States : All components are listed or exempted.

Section 16. Other information



FA-91

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Page 19 of 19 Print Date 09/01/2017

Hazardous Material Information System (U.S.A.) :

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Health	*	1
Flammability		0
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 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. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868. The customer is responsible for determining the PPE code for this material.

History

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Version

Key to abbreviations ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of

Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine

pollution)

UN = United Nations

References Not available.

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