MC-52829PC MIKRON ADOBE

Version Number 1.1 Revision Date 01/04/2019



Page 1 of 15 Print Date 01/08/2019

SAFETY DATA SHEET

MC-52829PC MIKRON ADOBE

	•	
Section 1. Identificat	ion	
GHS product identifier	:	MC-52829PC MIKRON ADOBE
Chemical name	:	Mixture
CAS number	:	Mixture
Other means of identification	:	CC01066882
Product type	:	solid
Relevant identified uses of the sul	bstance	or mixture and uses advised against
Product use	:	Industrial applications. Plastics.
Supplier's details	:	Mesa Industries
		230 N 48th Avenue Phoenix, AZ 85043
		(602) 269-3199
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. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors 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. After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status	:	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture	:	Not classified.

GHS label elements

Signal word

SAFETY DATA SHEET

MC-52829PC MIKRON ADOBE

Version Number 1.1 Revision Date 01/04/2019

Page 2 of 15

Print Date 01/08/2019

•	No signal word.
:	No known significant effects or critical hazards.
:	Not applicable.
:	None known.
:	None known.

No signal word

Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	CC01066882

CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	10 - 25	13463-67-7

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

Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses.
		Get medical attention if irritation occurs.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable



MC-52829PC MIKRON ADOBE

Version Number 1.1	Page 3 of 15
Revision Date 01/04/2019	Print Date 01/08/2019

		for breathing. Get medical attention if symptoms occur. 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.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated
		clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	Wash out mouth with water. Remove victim 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. Do not induce vomiting unless directed to do so by
		medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact Inhalation Skin contact Ingestion	 No known significant effects or critical hazards.
Over-exposure signs/symptoms	
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.
Indication of immediate medica	l 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.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

MC-52829PC MIKRON ADOBE

Version Number 1.1 Revision Date 01/04/2019



Page 4 of 15

Print Date 01/08/2019

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	:	No specific fire or explosion hazard.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides halogenated compounds metal oxide/oxides
Special protective actions for fire- fighters	:	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 self- contained 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 For emergency responders	:	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. Put on appropriate personal protective equipment. 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).
Methods and materials for containme	ent a	nd cleaning up
Small spill	:	Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a

MC-52829PC MIKRON ADOBE

Version Number 1.1 Revision Date 01/04/2019



Page 5 of 15 Print Date 01/08/2019

licensed waste disposal contractor. 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 Advice on general occupational hygiene	:	Put on appropriate personal protective equipment (see Section 8). 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 appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name		Exposure limits
Titanium dioxide		OSHA PEL 1989 (1989-03-01) TWA 10 mg/m3 Form: Total dust OSHA PEL (1993-06-30) TWA 15 mg/m3 Form: Total dust ACGIH TLV (1996-05-18) TWA 10 mg/m3
Appropriate engineering controls	:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
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,

MC-52829PC MIKRON ADOBE

Version Number 1.1 Revision Date 01/04/2019



Page 6 of 15 Print Date 01/08/2019

		filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measures		
Hygiene measures Eye/face protection	:	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. 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: safety glasses with side-shields.
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.
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	:	solid [Pellets.]
Color	:	BROWN
Odor	:	Faint odor.
Odor threshold	:	Not available.
рН	:	Not available.
Melting point	:	Not available.
Boiling point	:	Not available.

MC-52829PC MIKRON ADOBE

Version Number 1.1 Revision Date 01/04/2019



Page 7 of	15
Print Date 01/08/20	19

Flach naint		Not available.
Flash point	:	
Burning time	:	Not available.
Burning rate	:	Not available.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive	:	Lower: Not available.
(flammable) limits		Upper: Not available.
Vapor pressure	:	Not available.
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.
SADT	:	Not available.
Viscosity	:	Dynamic: Not available.
-		Kinematic: Not available.

Section 10. Stability and reactivity

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	Stable under recommended storage and handling conditions (see Section 7).
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will 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

MC-52829PC MIKRON ADOBE

Version Number 1.1 Revision Date 01/04/2019 Page 8 of 15 Print Date 01/08/2019

Product/ingredient name	Result		Species		Dose	Exposure
Titanium dioxide						
Remarks - Oral:	No applicable toxicity data					
	LC50 Inhalation		Rat - Male		6.82 Mg/l	4 h
	LD50 Dermal		Rabbit		> 5,000 mg/kg	-
Conclusion/Summary	: M	ixtu	re.Not full	y tested.		
-				-		
Irritation/Corrosion						
Product/ingredient name	Result	Sp	ecies	Score	Exposure	Observation
Titanium dioxide	Skin - Mild	Hu	ıman		72 hrs	-
	irritant					
Conclusion/Summary						·
Skin	: M	lixtu	re.Not full	y tested.		
Eyes			re.Not full			
Respiratory			re.Not full			
- v				-		
Sensitization						
Conclusion/Summary						
Skin	: M	ixtu	re.Not full	y tested.		
Respiratory			re.Not full			
<u>Mutagenicity</u>		•		4 4 1		
Conclusion/Summary	: M	ixtu	re.Not full	y tested.		
Carcinogenicity						
Conclusion/Summary <u>Classification</u>	: M	ixtu	re.Not full	y tested.		
Product/ingredient name	OSHA	IA	RC	NTP		
Titanium dioxide		2B	}			
Reproductive toxicity Conclusion/Summary	: M	lixtu	re.Not full	y tested.		
<u>Teratogenicity</u>				-		
Conclusion/Summary	: M	ixtu	re.Not full	y tested.		
Specific target organ toxicit Not available.	y (single exposu	<u>re)</u>				
			8/15			

MC-52829PC MIKRON ADOBE

Version Number 1.1 Revision Date 01/04/2019 Page 9 of 15

Print Date 01/08/2019

Specific target organ toxicity (repea Not available.	ted e	exposure)
<u>Aspiration hazard</u> Not available.		
Information on likely routes of exposure	:	Not available.
Potential acute health effects		
Eye contact Inhalation Skin contact Ingestion	::	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Symptoms related to the physical, ch	emio	cal and toxicological characteristics
Eye contact Inhalation Skin contact Ingestion Delayed and immediate effects as we Short term exposure Potential immediate effects Potential delayed effects Long term exposure Potential immediate effects Potential delayed effects	: : : : : :	No specific data. No specific data. No specific data. chronic effects from short and long-term exposure Not available. Not available. Not available.
<u>Potential chronic health effects</u> Conclusion/Summary		Mixture.Not fully tested.
General Carcinogenicity Mutagenicity Teratogenicity Developmental effects	:	No known significant effects or critical hazards. No known significant effects or critical hazards.

MC-52829PC MIKRON ADOBE

Version Number 1.1 Revision Date 01/04/2019 Page 10 of 15 Print Date 01/08/2019

Fertility effects

No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

:

Toxicity

Product/ingredient name	Result	Species	Exposure			
Titanium dioxide						
	Acute LC50 > 1,000 Mg/l Marine	Fish - Fish	96 h			
	water					
Remarks - Acute - Fish:	Acute					
	Acute LC50 3 Mg/l Fresh water	Aquatic invertebrates. Crustaceans	48 h			
Remarks - Acute - Aquatic invertebrates.:	Acute					
	Acute LC50 6.5 Mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h			
Remarks - Acute - Aquatic invertebrates.:	Acute					
Remarks - Acute - Aquatic plants:	No applicable toxicity data					
Remarks - Chronic - Fish:	No applicable toxicity data					
Remarks - Chronic -	No applicable toxicity data					
Aquatic invertebrates.:						
MC-52829PC MIKRON ADO	BE					
Remarks - Acute - Aquatic invertebrates.:	Chemicals are not readily available	as they are bound within the	e polymer matrix.			
Conclusion/Summary	: Chemicals are not readily available as they are bound within the polymer matrix.					
Persistence and degradability	<u>y</u>					
Conclusion/Summary	: Chemicals are not read: polymer matrix.	ily available as they are bou	nd within the			
Conclusion/Summary	: Chemicals are not read	ily available as they are bou	nd within the			
	10/15					



MC-52829PC MIKRON ADOBE

Version Number 1.1 Revision Date 01/04/2019



Page 11 of 15 Print Date 01/08/2019

polymer matrix.

Bioaccumulative potential

Not available.

<u>Mobility in soil</u>

Disposal methods

Soil/water partition coefficient (KOC) Other adverse effects

Not available.

:

:

No known significant effects or critical hazards.

Section 13. Disposal considerations

: 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. 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

Section 14. Transport information

U.S.DOT 49CFR Ground/Air/Water	: 1	Not regulated for transportation.
International Air ICAO/IATA	: 1	Not classified as dangerous goods under transport regulations.
International Water IMO/IMDG	: 1	Not classified as dangerous goods under transport regulations.

MC-52829PC MIKRON ADOBE

Version Number 1.1 Revision Date 01/04/2019



Page 12 of 15 Print Date 01/08/2019

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) - Proposed test rules: 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) - 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) - 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(d) - Health and safety studies: Not listed United States - TSCA 8(d) - Health and safety studies: Not listed United States - TSCA 8(d) - Health and safety studies: 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 Nickel Methylene chloride Zinc ferrite brown spinel (C.I. Pigment Yellow 119) United States - EPA Clean air act (CAA) section 111 - Hazardous substances: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable 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	:	Listed Not listed
Substances Clean Air Act Section 602 Class I Clean Air Act Section 602 Class II	:	Not listed

MC-52829PC MIKRON ADOBE

Version Number 1.1 Revision Date 01/04/2019 Page 13 of 15 Print Date 01/08/2019

Substances:Not listedDEA List I Chemicals (Precursor
Chemicals):Not listedDEA List II Chemicals (Essential
Chemicals):Not listed

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312

Classification

Not applicable.

:

Composition/information on ingredients

No products were found.

Name	%	Classification
Titanium dioxide	>= 10 - <= 25	Delayed (chronic) health hazard

SARA 313

	Product name	CAS number	%
Form R - Reporting	Zinc ferrite brown spinel	68187-51-9	1 - 3
requirements	(C.I. Pigment Yellow 119)		
Supplier notification	Zinc ferrite brown spinel	68187-51-9	1 - 3
	(C.I. Pigment Yellow 119)		

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 ferrite brown spinel (C.I. Pigment Yellow 119) Titanium dioxide
Pennsylvania	:	The following components are listed: Zinc ferrite brown spinel (C.I. Pigment Yellow 119) Titanium dioxide

California Prop. 65



MC-52829PC MIKRON ADOBE

Version Number 1.1 Revision Date 01/04/2019



Page 14 of 15 Print Date 01/08/2019

WARNING: This product can expose you to Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
Titanium dioxide	No.	No.

United States inventory (TSCA 8b)	:	All components are listed or exempted.
Canada inventory	:	All components are listed or exempted.
International regulations		
Inventory list		
Australia	:	All components are listed or exempted.
Canada	:	All components are listed or exempted.
China	:	All components are listed or exempted.
Europe inventory	:	All components are listed or exempted.
Japan	:	Not determined.
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	:	All components are listed or exempted.
Turkey	:	Not determined.
United States	:	All components are listed or exempted.

Section 16. Other information

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

Health	/	0
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 and the associated label are not required on SDSs or products leaving a facility 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 trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on

MC-52829PC MIKRON ADOBE

Version Number 1.1 Revision Date 01/04/2019



Page 15 of 15 Print Date 01/08/2019

HMIS® Personal Protective Equipm	ent (PPE) codes, consult the HMIS® Implementation Manual.
<u>History</u>		
Date of printing	:	01/08/2019
Date of issue/Date of revision	:	01/04/2019
Date of previous issue	:	07/02/2018
Version	:	1.1
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 = International Air Transport Association IBC = 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 Not available.
References	:	Not available.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.