30489-5176

SAFETY DATA SHEET



Revision date 08-Aug-2022

1. Identification		
Product identifier		
Product Name	C-29 Deep Sea	
Other means of identification		
Product Code(s)	FG00103	
Synonyms	39429H	
Recommended use of the chemical	and restrictions on use	
Recommended use		
Restrictions on use		
Details of the supplier of the safety data sheet		
Manufacturer Address American Art Clay Co Inc 6060 Guion Road Indianapolis, IN 46254-1222 USA Toll Free: 1-800-999-5456 CustomerCare@Amaco.com		
Emergency telephone number		

Emergency Telephone

U.S. Poison Control 1-800-222-1222

2. Hazard(s) identification

Classification

Acute toxicity - Oral	Category 4
Skin sensitization	Category 1
Carcinogenicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 2

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Hazard statements Danger H302 - Harmful if swallowed H317 - May cause an allergic skin reaction

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H350 - May cause cancer

H373 - May cause damage to organs through prolonged or repeated exposure



Physical state Liquid

Precautionary Statements - Prevention Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product

Contaminated work clothing must not be allowed out of the workplace

Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention Specific treatment (see .? on this label) IF ON SKIN: Wash with plenty of scap and water If skin irritation or rash occurs: Get medical advice/attention Wash contaminated clothing before reuse IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Unknown acute toxicity

23.98885 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

36.19885 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

50.19885 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

50.19885 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

39.35885 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Other information

Harmful to aquatic life with long lasting effects. Toxic to aquatic life.

3. Composition/information on ingredients

Not applicable.

Mixture

Chemical name	CAS No	Weight-%
Quartz	14808-60-7	10 - 20
Wollastonite (Ca(SiO3))	13983-17-0	10 - 20
Frits, chemicals	65997-18-4	10 - 20
Kaolin	1332-58-7	3 - <5
Aluminum oxide (Al2O3)	1344-28-1	1 - <3
C.I. Pigment Blue 73	68187-40-6	0.1 - 1
C.I. Pigment Blue 36	68187-11-1	0.1 - 1
1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol	4719-04-4	0.1 - 1

4. First-aid measures

Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.	
Inhalation	Remove to fresh air.	
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.	
Skin contact	Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.	
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician.	
Most important symptoms and effects, both acute and delayed		
Symptoms	Itching. Rashes. Hives.	
Indication of any immediate medical attention and special treatment needed		

indication of any immediate medical attention and special treatment nee

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media Large Fire	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the chemical	Product is or contains a sensitizer. May cause sensitization by skin contact.
Explosion data Sensitivity to mechanical impac	t None.
Sensitivity to static discharge	None.
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures.Personal precautionsAvoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal
protective equipment as required. Evacuate personnel to safe areas. Keep people away
from and upwind of spill/leak.Other informationRefer to protective measures listed in Sections 7 and 8.Methods and material for containment
Methods for containmentPrevent further leakage or spillage if safe to do so.Methods for cleaning upPick up and transfer to properly labeled containers.

7. Handling and storage Precautions for safe handling Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Remove contaminated clothing and shoes.

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Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store locked up.

8. Exposure controls/personal protection

Control parameters

Exposure Limits

The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Quartz	TWA: 0.025 mg/m ³ respirable	TWA: 50 µg/m ³	IDLH: 50 mg/m ³ respirable dust
14808-60-7	particulate matter	(vacated) TWA: 0.1 mg/m ³ respirable dust : (250)/(%SiO2 + 5) mppcf TWA respirable fraction	TWA: 0.05 mg/m ³ respirable dust dust
		: (10)/(%SiO2 + 2) mg/m ³ TWA respirable fraction	
Wollastonite (Ca(SiO3)) 13983-17-0	TWA: 1 mg/m ³ inhalable particulate matter, particulate matter containing no asbestos and <1% crystalline silica	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Frits, chemicals 65997-18-4	STEL: 10 mg/m ³ Zr TWA: 0.01 mg/m ³ As TWA: 0.05 mg/m ³ Pb TWA: 0.01 mg/m ³ Cd TWA: 0.002 mg/m ³ Cd respirable particulate matter TWA: 0.5 mg/m ³ Sb TWA: 1 mg/m ³ Cu dust and mist TWA: 3 mg/m ³ W respirable particulate matter in the absence of cobalt TWA: 5 mg/m ³ Zr TWA: 0.02 mg/m ³ Mn respirable particulate matter TWA: 0.1 mg/m ³ Mn inhalable particulate matter	respirable fraction TWA: 10 μg/m ³ As TWA: 50 μg/m ³ Pb TWA: 0.5 mg/m ³ Sb TWA: 5 mg/m ³ Zr (vacated) TWA: 0.5 mg/m ³ Sb (vacated) TWA: 5 mg/m ³ Zr (vacated) STEL: 10 mg/m ³ Zr (vacated) Ceiling: 5 mg/m ³ Ceiling: 5 mg/m ³ Mn	IDLH: 5 mg/m ³ As IDLH: 9 mg/m ³ Cd dust and fume IDLH: 50 mg/m ³ Sb IDLH: 100 mg/m ³ Cu dust and mist IDLH: 500 mg/m ³ Mn IDLH: 25 mg/m ³ Zr IDLH: 100 mg/m ³ Pb IDLH: 10 mg/m ³ Ni Ceiling: 0.002 mg/m ³ As 15 min Ceiling: 0.05 mg/m ³ As 15 min Ceiling: 0.05 mg/m ³ X dust and fume 15 min TWA: 0.5 mg/m ³ Sb TWA: 1 mg/m ³ Cu dust and mist TWA: 0.5 mg/m ³ except Zirconium tetrachloride Zr TWA: 0.050 mg/m ³ Pb TWA: 0.015 mg/m ³ except Nickel carbonyl Ni STEL: 3 mg/m ³ Mn
Kaolin 1332-58-7	TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	STEL: 10 mg/m ³ Zr TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Aluminum oxide (Al2O3)	TWA: 1 mg/m ³ respirable	TWA: 15 mg/m ³ total dust	
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1344-28-1	particulate matter	TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	
C.I. Pigment Blue 73 68187-40-6	TWA: 0.02 mg/m ³ Co inhalable particulate matter	-	-
C.I. Pigment Blue 36 68187-11-1	TWA: 0.02 mg/m ³ Co inhalable particulate matter	TWA: 0.5 mg/m ³ Cr (vacated) TWA: 0.5 mg/m ³ Cr	IDLH: 25 mg/m ³ Cr(III) TWA: 0.5 mg/m ³ Cr

Biological occupational exposure limits

Chemical name	ACGIH
Frits, chemicals 65997-18-4	200 μg/L - blood (Lead) - not critical 5 μg/g creatinine - urine (Cadmium) - not critical 5 μg/L - blood (Cadmium) - not critical
C.I. Pigment Blue 73 68187-40-6	15 μg/L - urine (Cobalt) - end of shift at end of workweek
C.I. Pigment Blue 36 68187-11-1	15 μg/L - urine (Cobalt) - end of shift at end of workweek

Appropriate engineering controls

Engineering controls	Showers Eyewash stations Ventilation systems.
Individual protection measures, su	ch as personal protective equipment
Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand protection	Wear suitable gloves.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Information on basic physical and chemical properties		
Physical state	Liquid	
Appearance		
Color		
Odor		
Odor threshold		
<u>Property</u>	<u>Values</u>	Remarks • Method
рН	No data available	None known
Melting point / freezing point	No data available	None known
Initial boiling point and boiling	No data available	None known
range		
Flash point	No data available	None known
Evaporation rate	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive	No data available	
limits		
Lower flammability or explosive	No data available	
limits		
Vapor pressure	No data available	None known

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Relative vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	410	None known
Decomposition temperature		None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Other information		
Explosive properties	No information available	
Oxidizing properties	No information available	
VOC Content (%)	No information available	

10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	None known based on information supplied.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

Product Information	
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Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components).
Ingestion	Specific test data for the substance or mixture is not available. Harmful if swallowed. (based on components).

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms

Itching. Rashes. Hives.

Acute toxicity

Numerical measures of toxicity

No information available

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	681.90 mg/kg
ATEmix (dermal)	10,542.20 mg/kg
ATEmix (inhalation-dust/mist)	8.39 mg/l

Unknown acute toxicity

23.98885 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

36.19885 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

50.19885 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

50.1985 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

39.35885 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	1
Wollastonite (Ca(SiO3)) Item Numbers: 30489-5176	> 5000 mg/kg(Rat)	-	- Page 6	of 11

13983-17-0			
Frits, chemicals 65997-18-4	> 2000 mg/kg(Rat)	> 2000 mg/kg(Rat)	-
Kaolin 1332-58-7	> 5000 mg/kg(Rat)	> 5000 mg/kg(Rat)	-
Aluminum oxide (Al2O3) 1344-28-1	> 5000 mg/kg(Rat)	-	-
C.I. Pigment Blue 73 68187-40-6	-	-	= 5.3 mg/L(Rat)4 h > 5.3 mg/L(Rat)4 h
C.I. Pigment Blue 36 68187-11-1	-	-	> 5.05 mg/L(Rat)4 h
1,3,5-Triazine-1,3,5(2H,4H,6H)- triethanol 4719-04-4	= 763 mg/kg(Rat)	> 4000 mg/kg(Rat)	= 0.4 mg/L(Rat)4 h = 0.338 mg/L(Rat)4 h

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

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization May cause sensitization by skin contact.

Germ cell mutagenicity No information available.

Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

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Chemical name	ACGIH	IARC	NTP	OSHA
Quartz 14808-60-7	A2	Group 1	Known	х
Wollastonite (Ca(SiO3)) 13983-17-0	-	Group 3	-	-
Frits, chemicals 65997-18-4	A1 A3 A2	Group 1 Group 2B Group 2A	Known Reasonably Anticipated	Х
C.I. Pigment Blue 73 68187-40-6	A3	Group 2B	Reasonably Anticipated	х
C.I. Pigment Blue 36 68187-11-1	A3	Group 2B Group 3	Reasonably Anticipated	Х

Legend

Carcinogenicity

 A1 - Known Human Carcinogen A2 - Suspected Human Carcinogen A3 - Animal Carcinogen IARC (International Agency for I Group 1 - Carcinogenic to Human Group 2A - Probably Carcinogenic Group 2B - Possibly Carcinogenic Group 3 - Not Classifiable as to C NTP (National Toxicology Progr Known - Known Carcinogen Reasonably Anticipated - Reasonably 	Research on Cancer) s c to Humans to Humans arcinogenicity in Humans
Reproductive toxicity	Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. May damage fertility or the unborn child.
STOT - single exposure	No information available.

STOT - repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Target organ effects	Liver, Kidney, Respiratory system, Eyes, Skin, Central nervous system, Blood, Central Vascular System (CVS), Lungs, Nasal Cavities, Lymphatic System, prostate, Gastrointestinal tract (GI).
Aspiration hazard	No information available.
Other adverse effects	
Interactive effects	

12. Ecological information

Ecotoxicity

Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
			microorganisms	
1,3,5-Triazine-	-	LC50: =16.07mg/L (96h,	-	-
1,3,5(2H,4H,6H)-		Danio rerio)		
triethanol				
4719-04-4				

Persistence and degradability

Bioaccumulation	There is no data for this product.
Other adverse effects	No information available.

13. Disposal considerations

Disposal methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.
California Hazardous Waste Status	This product contains one or more substances that are listed with the State of California as a hazardous waste.

14. Transport information

DOT	Not regulated		
UN number or ID number	UN3082		
Packing group	III		

15. Regulatory information

International Inventories

TSCA	Contact supplier for inventory compliance status.		
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Chemical name	CAS No	US TSCA Inventory listing	US TSCA inactive/active designation
Water	7732-18-5	Present	Active
Quartz	14808-60-7	Present	Active
Frits, chemicals	65997-18-4	Present	Active
Wollastonite (Ca(SiO3))	13983-17-0	Present	Active
Nepheline syenite	37244-96-5	-	Unknown *
Kaolin	1332-58-7	Present	Active
Aluminum oxide (Al2O3)	1344-28-1	Present	Active
Sodium carboxymethyl cellulose	9004-32-4	Present	Active
Smectite-group minerals	12199-37-0	Present	Active
C.I. Pigment Blue 73	68187-40-6	Present	Active
C.I. Pigment Blue 36	68187-11-1	Present	Active
I,3,5-Triazine-1,3,5(2H,4H,6H)- triethanol	4719-04-4	Present	Active
Polyphosphoric acids, sodium salts	68915-31-1	Present	Active
Ethanolamine	141-43-5	Present	Active

*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
IECSC	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AIIC	Contact supplier for inventory compliance status.
NZIOC	Contact supplier for inventory compliance status.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances ENCS - Japan Existing and New Chemical Substances IECSC - China Inventory of Existing Chemical Substances KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AIIC - Australian Inventory of Industrial Chemicals

NZIOC - New Zealand Inventory of Chemicals

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %	
Frits, chemicals - 65997-18-4	0.1	
	1.0	
Aluminum oxide (Al2O3) - 1344-28-1	1.0	
C.I. Pigment Blue 73 - 68187-40-6	0.1	
C.I. Pigment Blue 36 - 68187-11-1	0.1	
-	1.0	

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances	
Frits, chemicals 65997-18-4	-	х	-	-	
C.I. Pigment Blue 36 Item Numbers: 30489-5176	-	Х	-	- Page 9	of 11

68187-11-1		

<u>CERCLA</u> This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5	-	-	Х
Quartz 14808-60-7	Х	X	Х
Frits, chemicals 65997-18-4	Х	-	Х
Wollastonite (Ca(SiO3)) 13983-17-0	Х	X	Х
Kaolin 1332-58-7	Х	X	Х
Aluminum oxide (Al2O3) 1344-28-1	Х	X	Х
C.I. Pigment Blue 73 68187-40-6	Х	-	Х
C.I. Pigment Blue 36 68187-11-1	Х	-	Х
Ethanolamine 141-43-5	Х	X	Х

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

<mark>NFPA HMIS</mark> Chronic Hazard Star	Health hazards 2 Health hazards 2 * Legend *= Chronic	Flammability 0 Flammability 0 Health Hazard	Instability 0 Physical hazards 0	Special hazards - Personal protection X
	abbreviations and acronyms : Exposure controls/personal TWA (time-weighted average) Maximum limit value	protection	<u>heet</u> STEL (Short Tern Skin designation	n Exposure Limit)
Agency for Toxic S U.S. Environments European Food Sa EPA (Environment Acute Exposure G U.S. Environments Food Research Jo Hazardous Substa International Unifo National Institute of Australia National NIOSH (National I National Library of National Library of National Library of National Toxicolog New Zealand's Ch	nce Database rm Chemical Information Datab f Technology and Evaluation (N Industrial Chemicals Notification nstitute for Occupational Safety Medicine's ChemID Plus (NLM Medicine's PubMed database (y (ATSDR) Database secticide, Fungicide, and R uction Volume Chemicals ase (IUCLID) ITE) and Assessment Scheme and Health) CIP) NLM PUBMED) nation Database (CCID)	odenticide Act ∌ (NICNAS)	ns
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Organization for Economic Co-operation and Development High Production Volume Chemicals Program Organization for Economic Co-operation and Development Screening Information Data Set World Health Organization

Revision date Revision Note 08-Aug-2022

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet