SAFETY DATA SHEET
yellow iron oxide blend

1. Identification

Product identifier

Product name yellow iron oxide blend

Product number 1158,C1075,J4503,MC54

Recommended use of the chemical and restrictions on use

Application Industrial color

Details of the supplier of the safety data sheet

Supplier

Huntsman Pigments Americas LLC
P.O. Box 4980
The Woodlands, TX 77387
+1 301 210 3400 / +1 323 269 7311
MSDS@huntsman.com

Emergency telephone number

Emergency telephone CHEMTREC: (800) 424-9300 (Contract number: 191118)

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Carc. 1A - H350

Environmental hazards Not Classified

Label elements

Pictogram

Signal word Danger

Hazard statements H350 May cause cancer.

Precautionary statements
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313 If exposed or concerned: Get medical advice/attention.
P405 Store locked up.
P501 Dispose of contents/container in accordance with national regulations.

Contains CRYSTALLINE SILICA

3. Composition/information on ingredients

Mixtures

yellow iron oxide blend

CALCIUM CARBONATE	**35-75**
CAS number: 1317-65-3	REACH registration number: Proprietary
Classification Not Classified	

C.I. PIGMENT YELLOW 42	**> 20**
CAS number: 51274-00-1	REACH registration number: Proprietary
Classification Not Classified	

C.I. PIGMENT RED 101	**< 10**
CAS number: 1309-37-1	REACH registration number: Proprietary
Classification Not Classified	

CRYSTALLINE SILICA	**< 0.25**
CAS number: 14808-60-7	REACH registration number: Proprietary
Classification Carc. 1A - H350 STOT RE 2 - H373	

The Full Text for all Hazard Statements are Displayed in Section 16.

4. First-aid measures

Description of first aid measures

Inhalation If exposed to excessive levels of dust or fumes, remove to fresh air. Get medical attention if cough or other symptoms develop.

Ingestion Rinse mouth thoroughly with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed by medical personnel. Get medical attention if symptoms occur.

Skin Contact Wash with soap and water. Get medical attention if irritation develops or persists.

Eye contact Rinse with water. Get medical attention if any discomfort continues.

5.Fire-fighting measures

Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Extinguish with the following media: Water spray, foam, dry powder or carbon dioxide.

Special hazards arising from the substance or mixture

Flammability Class No Uniform Fire Code noted.

Advice for firefighters

Protective actions during firefighting As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

yellow iron oxide blend

Special protective equipment for firefighters Wear self-contained breathing apparatus as combustion may produce hazardous fumes.

6. Accidental release measures

Methods and material for containment and cleaning up

Methods for cleaning up If dust is generated, use appropriate respiratory protection. Vacuum or sweep up material and place in a disposal container. Avoid generation and spreading of dust. Large Spillages: Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Avoid runoff into storm sewers and ditches which lead to waterways.

7. Handling and storage

Precautions for safe handling

Usage precautions Minimize dust generation and accumulation. Do not breathe dust. Avoid contact with skin and eyes. Wash contaminated skin thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage precautions Store dry at ambient temperature away from food and beverages, excessive heat or flame sources (furnace, kilns, boilers etc.). Store away from substances subject to catalytic decomposition by dust, e.g. peroxides Store at temperatures not exceeding 55°C/130°F.

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

C.I. PIGMENT RED 101

Long-term exposure limit (8-hour TWA): OSHA 10 mg/m³ fume
Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust
Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction
Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m³ respirable fraction
A4

CRYSTALLINE SILICA

Long-term exposure limit (8-hour TWA): ACGIH 0.025 mg/m³ respirable fraction
A2

OSHA = Occupational Safety and Health Administration.
ACGIH = American Conference of Governmental Industrial Hygienists.
A4 = Not Classifiable as a Human Carcinogen.
A2 = Suspected Human Carcinogen.

Ingredient comments Although no exposure limit has been established by OSHA for this product, the limit for nuisance particulates should be followed: OSHA 8-hr TWA 10mg/m3 Total Dust 5 mg/m3 respirable dust. ACGIH TLV-TWA 10mg/m3 Total dust or 5mg/m3 respirable dust.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance Dusty powder.

Color Red-brown.

Odor Odorless.

yellow iron oxide blend

pH	pH (diluted solution): 4-8 @ 10%
Melting point	> 1000 deg C / 1832 deg F
Solubility(ies)	Insoluble in water.
Volatile organic compound	None.

10. Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	From ca. 60°C, transformation of black iron oxide to Fe2O3 will occur as an exothermic reaction. Yellow iron oxide will lose water of hydration at 180°C and convert to Fe2O3.
Possibility of hazardous reactions	None known.
Conditions to avoid	Keep at temperature not exceeding 55°C/130°F.
Materials to avoid	Substances subject to catalytic decomposition caused by dust such as peroxides. Further avoid contact with aluminum dust, calcium hypochlorite, hydrazine, ethylene oxide, caesium carbide.
Hazardous decomposition products	No known hazardous decomposition products.

11. Toxicological information

Information on toxicological effects

Toxicological effects	No information available.
Inhalation	Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.
Ingestion	No harmful effects expected from quantities likely to be ingested by accident.
Skin Contact	Substance may cause slight skin irritation.
Eye contact	May cause slight irritation.

12. Ecological Information

Ecotoxicity	The product is not expected to be hazardous to the environment.

Persistance and degradability

Persistence and degradability	The product is not readily biodegradable.

Bioaccumulative potential

Bio-Accumulative Potential	Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

Mobility in soil

Mobility	The product is insoluble in water.

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.

yellow iron oxide blend

Other adverse effects

Other adverse effects None known.

13. Disposal considerations

Waste treatment methods

General information Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

14. Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DoT).

15. Regulatory information

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
None of the ingredients are listed or exempt.

SARA 313 Emission Reporting
None of the ingredients are listed or exempt.

CAA Accidental Release Prevention
None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals
None of the ingredients are listed or exempt.

US State Regulations

State Regulations Comments California Prop 65 Warning: This product contains chemicals, as trace impurities and not intentionally added, known to the state of California to cause cancer (C) and birth defects or other reproductive (R) harm.

California Proposition 65 Carcinogens and Reproductive Toxins

CRYSTALLINE SILICA
Known to the State of California to cause cancer.
< 0.25

California Air Toxics "Hot Spots" (A-I)
None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-II)
None of the ingredients are listed or exempt.

Massachusetts "Right To Know" List

C.I. PIGMENT RED 101
Present

CRYSTALLINE SILICA
Present

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CALCIUM CARBONATE
Yes.

Rhode Island "Right To Know" List

C.I. PIGMENT RED 101
Present

CRYSTALLINE SILICA
Present

CALCIUM CARBONATE
Yes.

Minnesota "Right To Know" List

C.I. PIGMENT RED 101
Present

CRYSTALLINE SILICA
Present

CALCIUM CARBONATE
Yes.

New Jersey "Right To Know" List

C.I. PIGMENT RED 101
Present

CRYSTALLINE SILICA
Present

CALCIUM CARBONATE
Yes.

Pennsylvania "Right To Know" List

C.I. PIGMENT RED 101
Present

CRYSTALLINE SILICA
Present

CALCIUM CARBONATE
Yes.

Inventories

EU - EINECS/ELINCS
All the ingredients are listed or exempt.

Canada - DSL/NDSL

C.I. PIGMENT YELLOW 42
Domestic Substance List

C.I. PIGMENT RED 101
DSL

CRYSTALLINE SILICA
DSL

CALCIUM CARBONATE
Non Domestic Substance List

yellow iron oxide blend

US - TSCA
All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification
No.

Australia - AICS
All the ingredients are listed or exempt.

Japan - MITI

C.I. PIGMENT YELLOW 42
No.

CRYSTALLINE SILICA
No.

CALCIUM CARBONATE
No.

Korea - KECI
All the ingredients are listed or exempt.

China - IECSC
All the ingredients are listed or exempt.

Philippines – PICCS
All the ingredients are listed or exempt.

New Zealand - NZIOC
All the ingredients are listed or exempt.

16. Other information

Revision date	4/13/2015
Supersedes date	10/1/2014
SDS No.	21044
SDS status	Approved.
Hazard statements in full	H350 May cause cancer. H373 May cause damage to organs (Lungs) through prolonged or repeated exposure.