

Date: 01/27/2020

SAFETY DATA SHEET

SDS PREPARATION DATE: 06/01/2015, Version 1

Section 1 - Identification

GHS product identifier : AD 2500 Transparent Red Oxide
Chemical name : Mixture
Synonyms : Color Dispersion, Color Concentrate
Product type :
Material use : Paint and Coatings Additive

Supplier's details : Eagle Specialty Products
ADDRESS : 2216 North Broadway
St. Louis, MO 63102
Information (314) 241-7771

Emergency telephone number : CHEMTREC 800-424-9300 or 703-527-3887

Section 2 – Hazardous Identification**GHS Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Physical hazards

Health hazards
Flammable liquids Category 3
Acute toxicity, dermal Category 4
Acute toxicity, inhalation Category 4
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2B
Carcinogenicity Category 2
Specific target organ toxicity, single exposure Category 3 respiratory tract irritation
Specific target organ toxicity, single exposure Category 3 narcotic effects
Aspiration hazard Category 1
Environmental hazards Hazardous to the aquatic environment, acute Category 2

Label Elements**Signal Word**

Danger

Hazard Statements

Flammable Liquid, category 3 H226 Flammable liquid and vapor.
Carcinogenicity, category 2 H351 Suspected of causing cancer. Classified as Category 2 based on limited evidence on human and/or animal studies.
STOT, single exposure, category 3, NE H336 May cause drowsiness or dizziness.
STOT, repeated exposure, category 2 H373 May damage to organs through prolonged or repeated exposure. See section 11. Toxicological Information for more information about specific toxicity and routes of exposure.
Skin Irritation, category 2 H315 Causes skin irritation.

Precautionary Statements: Disposal

P501 Dispose of contents/container according to applicable local, national, and international regulations.

Precautionary Statements: Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P233 Keep container tightly closed.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P271 Use only outdoors or in a well-ventilated area.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash skin thoroughly after handling.

Precautionary Statements: Response

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378 In case of fire: use recommended media to extinguish.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CONTROL CENTER/doctor if you feel unwell.
P314 Get medical advice/attention if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see supplemental first aid instruction on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Precautionary Statements: Storage

P403+P235 Store in a well-ventilated place. Keep cool.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Section 3 – Composition/information on ingredients

Component	Concentration	CAS number	GHS Symbols	GHS Statements
Aliphatic Hydrocarbon	03.82%	64742-47-8	GHS02-GHS07	H226-336
Aliphatic Hydrocarbon	36.99%	64742-48-9	GHS02-GHS07	H226-336
Xylene	00.18%	1330-20-7	GHS02-GHS07-GHS08	H226-312-315-320-351-372
Ethyl Benzene	00.04%	100-41-4	GHS02-GHS07-GHS08	H225-320-351-372
Iron Oxide	32.50%	1309-37-1	N.A.	H-316-320-335
Vehicle	25.17%	non haz proprietary	N.A.	N.A.
Fumed Silica	01.00%	68611-44-9	N.A.	N.A.
Methyl Ethyl Ketoxime	00.30%	96-29-7	N.A.	N.A.

All concentrations are percent by weight

The identity of components and / or exact percentage composition may have been withheld as a trade secret

Section 4 - First Aid Measures

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Obtain medical attention.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Obtain medical attention.

Inhalation Move to fresh air. If breathing is difficult, give oxygen. Obtain medical attention.

Ingestion Do not induce vomiting. Obtain medical attention.

Most important symptoms/effects Eye irritation signs/symptoms may include a burning sensation, redness, swelling, and/or blurred vision. Skin irritation signs/symptoms may include a burning sensation, redness, swelling, and/or blisters. If inhaled signs/symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever. Onset of respiratory symptoms may be delayed for several hours following exposure. Inhalation of high vapor concentrations may cause central nervous system depression resulting in dizziness, light-headedness, headache, nausea, and loss of coordination. Continued inhalation may result in unconsciousness and death.

Notes to Physician Treat symptomatically

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media CO 2, dry chemical, dry sand, foam.

Unsuitable Extinguishing Media Water in a jet

Flash Point 40.5 °C / 105 °F

Method No information available

Auto ignition Temperature 232 °C / 450 °F

Explosion Limits

Upper 6.0%

Lower 0.6%

Sensitivity to Mechanical Impact No information available

Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products

Carbon monoxide (CO) Carbon dioxide (CO2)

Protective Equipment and Precautions for Firefighters

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

NFPA

Health
2Flammability
2Instability
0

Physical hazards

Section 6 - Accidental Release Measures

Personal Precautions

Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

Environmental Precautions

Avoid release to the environment. See Section 12 for additional ecological information.

Methods for Containment and Clean up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage



Handling

Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Wear personal protective equipment. Do not breathe gas/fumes/vapor/spray. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Avoid prolonged exposure. Use only with adequate ventilation. Wash thoroughly after handling. The product is extremely flammable, and explosive vapor/air mixtures may be formed even at normal room temperatures. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. When using, do not eat, drink or smoke. Avoid release to the environment.

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place.

Section 8 - Exposure Controls, Personal Protection

Ingredients Occupational exposure limits

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Aliphatic Hydrocarbon	100 ppm	N.E.	N.E.	N.E.
Aliphatic Hydrocarbon	100 ppm	N.E.	N.E.	N.E.
Xylene	100 ppm	150 ppm	100 ppm	N.E.
Ethyl Benzene	100 ppm	125 ppm	100 ppm	N.E.

Legend: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation SK = Skin Sensitizer N.E. = Not Established

Personal Protective Equipment

Engineering Controls: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.



Respiratory Protection: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.



Skin Protection: Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent). The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Rubber, nitrile or neoprene to prevent skin contact. Wear chemical resistant gloves such as

polyvinyl alcohol. If splashing is likely, wear impervious clothing and boots to prevent repeated or prolonged skin contact. Contact your supplier of PPE for additional instruction on proper use. Additionally, Viton and Safety 4H (Canada) to prevent skin contact.



Eye Protection: Wear safety glasses with side shields (or goggles) and a face shield.



Other Protective Equipment: Wear chemical resistant shoes. Rubber or plastic apron should be worn.



Hygienic Practices: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all SDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

Section 9 - Physical and Chemical Properties

Physical State	Liquid / Paste
Appearance	Red
Odor	Hydrocarbon
Odor Threshold	No information available
pH	N.A.
Melting Point/Range	No information available
Boiling Point/Range	158 °C / 316 °F
Flash Point (closed cup Tagliabue)	40.5 °C / 105 °F
Evaporation Rate	Slower than ether
Flammability (solid, gas)	N.A.
Flammability or explosive limits	
Upper	6.0%
Lower	0.6%
Vapor Pressure	0.05 = 0.5 kPa (20°C / 68°F)
Vapor Density	5.03
Relative Density	1.16
Formula Weight per Volume	9.68 Pound/Gallon
VOC g/l / lb./gallon	4.00 / 479.88
HAPS	0.50%
Percent Volatile by Weight	41.30
Percent Volatile by Volume	60.3
Solubility	Not soluble in water
Partition coefficient; n-octanol/water	No data available
Auto ignition Temperature	232 °C / 450 °F
Decomposition Temperature	No information available
Viscosity	Krebs Units 70 - 100

Section 10 - Stability and Reactivity

Reactive Hazard	None known, based on information available
Stability	Stable under normal conditions.
Conditions to Avoid	Heat, flames and sparks. Ignition sources. Contact with incompatible materials. Do not pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death.
Incompatible Materials	Strong oxidizing agents, Acids, Bases
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO2)
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.

Section 11 - Toxicological Information

Effect of Overexposure - inhalation: harmful if inhaled. headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from over-exposure to vapor or skin exposure. prolonged inhalation may be harmful.

Effect of Overexposure - skin contact: causes skin irritation. allergic reactions are possible. prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Effect of Overexposure - eye contact: liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

Effect of overexposure - ingestion: this material may be harmful or fatal if swallowed. irritating to mouth, throat and stomach.

Primary route(s) of entry: eye contact, ingestion, inhalation, skin absorption, skin contact

STOT - Single Exposure

no additional information

STOT - Repeated Exposure

Target Organs: Liver, Kidney, Central Nervous System.

Carcinogenicity: The information below indicates whether each agency has listed any ingredient as a carcinogen if present at levels greater than or equal to 0.1 %.

CAS-No.	Name	NTP	OSHA	IARC
100-41-4	Ethyl Benzene	not known carcinogen	not labeled by OSHA	Group 2B

National Toxicological Program (NTP), Occupational Safety & Health Association (OSHA), International Agency for Research on Cancer (IARC) Group 1: Carcinogenic to Humans, Group 2A: Probably Carcinogenic to Humans, Group 2B: Possibly Carcinogenic to Humans, Group 3: Not Classifiable as to its Carcinogenicity to Humans

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Name	Oral LD50 (mg/kg)	Dermal LD50 (mg/kg)	Vapor LC50 (mg/L)
64742-47-8	Aliphatic Hydrocarbon	>5,000 (rat)	>5,000 (rabbit)	No Information
64742-48-9	Aliphatic Hydrocarbon	>5,000 (rat)	>5,000 (rabbit)	No Information
1330-20-7	Xylene	3,523 (rat)	1,100	No Information
100-41-4	Ethyl Benzene	3,500 (rat)	17,000 (rabbit)	No Information
1309-37-1	Iron Oxide	>5,000 (rat)	non-irritant	No Information
96-29-7	Methyl ethyl Ketoxime	2,326 (rat)	1,000-1,800 (rabbit)	No Information

Section 12 - Ecological Information

Ecotoxicity

Do not flush into surface water or sanitary sewer system.

Persistence and Degradability	No information available
Bioaccumulation/ Accumulation	No information available
Mobility	No information available

Section 13 - Disposal Considerations



Hazardous Disposal Methods

Hazardous waste code D001: Waste Flammable material with a flash point <140 °F. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Section 14 - Transport Information

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

DOT - UN 1263, PAINT RELATED MATERIAL, 3, PGIII

DOT Proper Shipping Name: PAINT RELATED MATERIAL, FLAMMABLE LIQUID (Contains Petroleum Distillates)

DOT Technical Name: N.A. Hazard SubClass: N.A.

DOT Hazard Class: 3

DOT UN/NA Number: UN 1263

Exception: This material may be reclassified as a COMBUSTIBLE LIQUID and can be shipped as a NONHAZARDOUS material per DOT:1.) If transported in non-bulk packaging, container size less than 450 liters or 119 gallons. (e.g. 55 gallon drums) per 49 CFR 173.150(f)(2) and, 2.) If not transported as a liquid at a temperature at or above its flash point (e.g. not heated for transport) per 49 CFR 173.150(f)(4) (iii).

Canadian TDGA - UN1263, PAINT RELATED MATERIAL, 3, PGII

Section 15 - Regulatory Information

FEDERAL REGULATIONS:

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

CERCLA The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 requires notification of the National Response Center concerning release of quantities of "Hazardous Substances" equal to or greater than the reportable quantities (RQs) listed in 40 CFR 302.4. As defined by CERCLA, the term "hazardous substance" does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically designated in 40 CFR 302.4. Chemical substances present in this product subject to this statute are:

Chemical Name	CAS Number	Pct. by Wt.	RQ (lbs)
Ethyl Benzene	100-41-4	0.04	1,000
Xylene	1330-20-7	0.18	100

SARA 302 Extremely Hazardous Material

None Listed

SARA 304 CERCLA Product

Chemical Name	CAS Number	Pct by Wt.	RQ (lbs.)
---------------	------------	------------	-----------

None Listed

SARA 311/312 Hazardous Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA (313) Components in concentrations above the de minimus levels that are listed as toxic chemicals in 40 CFR Part 372 pursuant to the requirements in section 313 of SARA.

Name	CAS-No.
No Data	

State Regulations

New Jersey right-to-know:

The following materials are non-hazardous, but are among the top five components in this product.

Chemical Name	CAS-No.
Long Oil Alkyd	Proprietary

Pennsylvania right-to-know:

Aliphatic Hydrocarbon	64742-48-9
-----------------------	------------

The following non-hazardous ingredients are present in the product at greater than 3%.

Chemical Name	CAS-No.
Long Oil Alkyd	Proprietary

California Proposition 65 Carcinogens

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

Chemical Name	CAS-No.
Ethyl Benzene	100-41-4

California Proposition 65 Reproductive Toxins

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

No Proposition 65 Reproductive Toxins exist in this product.

Water Hazard classification: 1 – slightly water endangering.

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

Country	Regulatory list	Notification
USA	TSCA	This product, or its components, are listed on or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.
EU	EINECS	This product, or its components, are listed on or are exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical Substances (ELINCS).
Canada	DSL	This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).

Australia	AICS	This product, or its components, are listed on or are exempt from the Australian Chemical Substance List (AICS).
Japan	ENCS	This product, or its components, are listed on or are exempt from the Japanese Chemical Substance List (ENCS).
South Korea	ECL	This product, or its components, are listed on or are exempt from the Korean Chemical Substance List (ECL).
China	SEPA	This product, or its components, are listed on or are exempt from the Chinese Chemical Substance List (SEPA).
Philippines	PICCS	This product, or its components, are listed on or are exempt from the Philippine Chemical Substance List (PICCS).

Section 16 - Other Information

HMIS® Hazard Ratings: Health - 2, Flammability - 2, Physical Hazard - 0

HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this SDS must be considered.

CONEG Heavy Metal: We confirm that we use packaging and/or packaging components in which the sum of the incidental concentration levels of lead, mercury, cadmium and hexavalent chromium do not exceed 100 parts per million by weight.

Prepared By Environmental, Health and Safety Department
Email: info@espinc.us

Creation Date 11/01/2015
Revision Date 01/27/2016
Print Date 01/28/2016

replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Disclaimer

The information provided on 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

For Industrial use Only: This product is for use by professional, trained personnel using proper equipment, and is not intended for sale to, or use by, the general public.

NON-WARRANTY: Any recommendation of Eagle Specialty Products contained herein covering use, utilization, chemical or physical properties and other qualities of the products sold is believed reliable; however, Eagle Specialty Products makes no warranty or representation with respect thereto. Use or application of any Eagle Specialty Products product is at the discretion of the Buyer without liability or obligation whatsoever of Eagle Specialty Products.