Date: 01/31/2020

SAFETY DATA SHEET

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

Section 1 - Identification

GHS product identifier	:	AD 297T Tinting Black
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	Flammable liquids	Category 3
Health hazards	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	02.12%	64742-47-8	GHS02-GHS07	H226-336
Aliphatic Hydrocarbon	37.99%	64742-48-9	GHS02-GHS07	H226-336
Xylene	00.06%	1330-20-7	GHS02-GHS07-GHS08	H226-312-315-320-351-372
Ethyl Benzene	00.01%	100-41-4	GHS02-GHS07-GHS08	H225-320-351-372
Carbon Black	27.38%	1333-86-4	N.A.	H-316-320-335
Vehicle	32.10%	non haz proprietary	N.A.	N.A.
Alkyl Quaternary Ammonium Clay	00.24%	not assigned	N.A.	N.A.
Methyl Ethyl Ketoxime	00.10%	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	Flammability	Instability
2	2	0

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 Hydrocarbons	100 ppm	N.E.	N.E.	N.E.
Aliphatic Hydrocarbons	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.
Carbon Black	3mg/m3	N.E.	3.5mg/m3	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	Black
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	1.03
Formula Weight per Volume	8.51 Pound/Gallon
VOC g/l / lb/gallon	410.44 / 3.42
HAPS	0.07%
Percent Volatile by Weight	40.28
Percent Volatile by Volume	52.49
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 52-72

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 labeled by NTP	not labeled by OSHA	Group 2B
1333-86-4	Carbon Black	not labeled by NTP	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

**IARC: In 1995 IARC concluded, "There is *inadequate evidence* in humans for the carcinogenicity of carbon black." Based on rat inhalation studies IARC concluded that there is, "*sufficient evidence* in experimental animals for the carcinogenicity of carbon black," IARC's overall evaluation was that, "Carbon black is *possibly carcinogenic to humans (Group 2B)".* This conclusion was based on IARC's guidelines, which require such a classification if one species exhibits carcinogenicity in two or more studies. IARC performed another review in 2006, and again classified carbon black as *possibly carcinogenic to humans (Group 2B).* In its 1987 review IARC concluded, "There is *sufficient evidence* in experimental animals for the carcinogenicity of carbon black extracts." Carbon black extracts are classified as, *possibly carcinogenic to humans* (Group 2B).

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
1333-86-4	Carbon Black	>8,000 (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

Waste 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	.01	1,000
Xylene	1330-20-7	.06	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.
Ethyl Benzene	100-41-4

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
* Carbon Black	1333-86-4

* Carbon black (airborne, unbound particles of respirable size)" is a California Proposition 65 listed substance. Please note that all three listing qualifiers (airborne, unbound (not bound within a matrix), and respirable size (10 micrometers or less in diameter)) must be met for this substance to be considered a Proposition 65 substance.

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).

No other Regulatory Information!

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
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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.

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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.