Safety Data Sheet

Revision Date: 03-10-2016
Product Code: 2304

1. IDENTIFICATION

Product Name	**HALLIBURTON GRAY AEROSOL**
Product Code	2304
Document ID	G2304
Revision Number	1
Prior Version Date	None
Intended Use	Aerosol Paint
Restrictions On Use	For Industrial Use Only
Chemical Family	Alkyd Enamel
Synonyms	DIMETHYLMETHANE
Chemical Manufacturer / Importer	Hempel (USA), Inc. Jones-Blair Division 2728 Empire Central Dallas, TX 75235 1-214-353-1600
Emergency Telephone Number:	ChemTrec Center 1-800-424-9300 **International:** 703-527-3887

2. HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

Hazard Pictograms

GHS Classification	Flammable Aerosol Category 1 Skin Corrosion/Irritation Category 2 Serious Eye Damage/Eye Irritation Category 2 Carcinogenicity Category 2 Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3
Signal Word	Danger
Hazard Statements	Extremely flammable aerosol. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer.

Precautionary Statements

Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flames and hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing dust, fume, mist, vapours or spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye protection and face protection. Use personal protective equipment as required.

Response	IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. Call a POISON CENTER or physician if you feel unwell. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing and wash before reuse.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do no expose to temperatures exceeding 50℃/ 122℉.
Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards Not Otherwise Classified (HNOC)	Not applicable

Additional Information

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Component	CAS #	%
Acetone	67-64-1	40 - 60
Titanium dioxide	13463-67-7	10 - 30
Xylene	1330-20-7	3 - 7
Light aromatic solvent naphtha	64742-95-6	1 - 5
1,2,4-Trimethylbenzene	95-63-6	1 - 5
Ethylbenzene	100-41-4	0.1 - 1

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.
Eye Contact	Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
Skin Contact	Wash with soap and water. Get medical attention if irritation develops or persists.
Ingestion	If swallowed, do not induce vomiting. Get medical attention immediately.

Most Important Acute Symptoms and Effects	Not Available
Most Important Delayed Symptoms and Effects	Not Available
Special treatment needed:	No additional first aid information available

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be

	used to absorb heat and minimize fire damage.
Unsuitable Extinguishing Media	No data available
Fire and/or Explosion Hazards	Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back. Container may explode in heat of fire.
Hazardous Combustion Products	Carbon dioxide, Carbon monoxide, Sulfur containing gases
Special Protective Equipment and Precautions for Fire-Fighters	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.
Methods and Material for Containment and Cleaning Up	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Dike with suitable absorbent material. Gather and store in a sealed container pending disposal. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Follow all protective equipment recommendations provided in Section VIII.
Conditions for Safe Storage	Store in a cool dry place. Keep container(s) closed. Keep away from sources of ignition.
Materials to Avoid/Chemical Incompatibility	Oxidizing agents, Acids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical Component	OSHA PEL	ACGIH TLV-TWA	ACGIH STEL
Acetone	1000 ppm TWA; 2400 mg/m³ TWA	500 ppm TWA; 1188 mg/m³ TWA	750 ppm STEL; 1782 mg/m³ STEL
Titanium dioxide	15 mg/m³ TWA (total dust)	10 mg/m³ TWA	
Xylene	100 ppm TWA; 435 mg/m³ TWA	100 ppm TWA; 434 mg/m³ TWA	150 ppm STEL; 651 mg/m3 STEL
Propane	1000 ppm TWA; 1800 mg/m3 TWA	simple asphyxiant; 2500 ppm TWA	
Butane		800 ppm TWA; 1900 mg/m3 TWA	

1,2,4-Trimethylbenzene		25ppm; 123mg/m³ TWA	
Ethylbenzene	100 ppm TWA; 435 mg/m³ TWA	100 ppm TWA; 434 mg/m³ TWA	125 ppm STEL; 543 mg/m³ STEL

Appropriate Engineering Controls	Local exhaust ventilation or other engineering controls may be required when handling or using this product to avoid overexposure. Explosion proof exhaust ventilation should be used.
Respiratory Protection	General or local exhaust ventilation is the preferred means of protection. In cases where ventilation is inadequate, respiratory protection may be required to avoid overexposure. Follow respirator manufacturer's directions for respirator use.
Eye Protection	Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.
Skin Protection	Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Clothing suitable to prevent skin contact.
Other Protective Equipment	Nitrile Neoprene
General Hygiene Conditions	Use spark-proof tools and explosion-proof equipment. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Follow all protective equipment recommendations provided in Section VIII.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical State	Spray Aerosol
Color	Grey
Odor	No data available
Odor Threshold	No data available
pH	No data available
Melting Point/Freezing Point (℉/℃)	No data available / No data available
Initial Boiling Point and Boiling Range	
Low (℉)	132.0
High (℉)	335.0
Flash Point (℉/℃)	-155 / -104
Evaporation Rate	7.70
Flammability (solid, gas)	No data available
Upper Flammable/Explosive Limit	7.0
Lower Flammable/Explosive Limit	1.0
Vapor Pressure	185.00
Vapor Density	4.15 (air = 1)
Solubility in Water	Complete; 100%
Partition coefficient: n-octanol/water	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature:	No data available
Volatile Organic Chemicals (g/L)	No data available

10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	Sparks, open flame, other ignition sources, and elevated temperatures. Contamination. Elevated temperatures.
Incompatible Materials	Oxidizing agents, Acids
Hazardous Decomposition Products	Carbon dioxide, Carbon monoxide, Sulfur containing gases

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11. TOXICOLOGICAL INFORMATION

Routes of Exposure
Inhalation
Skin contact
Eye contact
Ingestion
Skin absorption

Immediate (Acute) Health Effects by Route of Exposure

Inhalation Irritation Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.

Inhalation Toxicity Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. This product contains an asphyxiant gas that can cause unconsciousness or death if Oxygen levels are sufficiently reduced.

Skin Contact Causes skin irritation.

Skin Absorption May be harmful if absorbed through skin.

Eye Contact Causes eye irritation.

Ingestion Toxicity Harmful if swallowed.

Long-Term (Chronic) Health Effects

Carcinogenicity Contains Titanium Dioxide which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence with respect to humans and sufficient evidence in experimental animals. Possible cancer hazard. Contains ethylbenzene which may cause cancer based on animal data. (Risk of cancer depends on duration and level of exposure.)

Reproductive and Developmental Toxicity Xylene may cause adverse reproductive and/or developmental effects. Pregnant women may be at an increased risk from exposure.

Mutagenicity Xylene has been shown to be positive in mutagenicity assays.

Inhalation Upon prolonged and/or repeated exposure, can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Product Toxicology Data

Dermal Acute Toxicity Estimate (ATE) 15,244.63 mg/kg

Component Toxicology Data

Chemical Component	Oral LD50	Dermal LD50	Inhalation LC50
Acetone	Oral LD50 Rat 5800 mg/kg	Dermal LD50 Rabbit > 16 g/kg	Inhalation LC50 (4h) Rat 76.00 mg/L
Titanium dioxide	Oral LD50 Rat > 25,000 mg/kg	Dermal LD50 Rabbit > 10,000 mg/kg	Inhalation LC50 (4h) Rat > 6.82 mg/L
Xylene	Oral LD50 Rat 3523 mg/kg	Dermal LD50 Rabbit 1100 mg/kg	Inhalation LC50 (4h) Rat 11.00 mg/L
Light aromatic solvent naphtha	Oral LD50 Rat 8400 mg/kg	Dermal LD50 Rat > 2000 mg/kg	Inhalation LC50 (4h) Rat 5.60 mg/L
1,2,4-Trimethylbenzene	Oral LD50 Rat 6000 mg/kg	Dermal LD50 Rat > 3440 mg/kg	Inhalation LC50 (4h) Rat 10.20 mg/L
Ethylbenzene	Oral LD50 Rat 3500 mg/kg	Dermal LD50 Rabbit 5510 mg/kg	Inhalation LC50 (4h) Rat 17.00 mg/L

Carcinogen Information

Chemical Name	IARC Carcinogen	OSHA Carcinogen	NTP Carcinogen
Titanium dioxide	2B		
Ethylbenzene	2B		

12. ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available) No data available

Mobility in soil No data available

13. DISPOSAL CONSIDERATIONS

Safe Handling of Waste

Do not puncture or incinerate (burn) container. Exposure to heat or prolonged exposure to sun may cause bursting. Do not expose to heat or store at temperatures above 120℉. Refer to other s ections of this SDS to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

14. TRANSPORT INFORMATION

This section provides basic shipping classification information and does not contain all regulatory transportation details. Refer to all applicable regulations for domestic, international, air, vessel and ground transportation requirements and restrictions.

DOT Basic Description: Aerosol, Flammable
Hazard Class: 2.1
UN Number: UN1950
Other: Consumer Commodity - ORM-D for ground shipments per 49CFR173.306.

Marine Pollutant: No

15. REGULATORY INFORMATION

TSCA Status All components of this product are either listed on the TSCA Inventory; or, are not subject to the inventory notification requirements.

Regulated Components

SARA EHS Chemicals	CAS #	%
Not applicable		
CERCLA		
Acetone	67-64-1	40 - 60
Xylene (mixed isomers)	1330-20-7	3 - 7
Ethyl Benzene	100-41-4	0.1 - 1
SARA 313		
Xylene (mixed isomers)	1330-20-7	3 - 7
1,2,4-Trimethylbenzene	95-63-6	1 - 5
Ethylbenzene	100-41-4	0.1 - 1

SARA 311/312

Health (Acute):	Y
Health (chronic):	Y
Fire (Flammable):	Y
Pressure:	Y

Reactivity: N

U. S. State Regulations:

California Prop 65 Chemicals

Cancer	**CAS #**	**%**
Titanium dioxide	13463-67-7	10 - 30
Ethyl Benzene	100-41-4	0.1 - 1
Cumene	98-82-8	0.01 - 0.1
Benzene	71-43-2	0.001- 0.01
Crystalline Silica	14808-60-7	0.001- 0.01
Carbon Black	1333-86-4	< 1 ppb
Reproductive		
Toluene	108-88-3	0.01 - 0.1
N-Methyl-2-Pyrrolidone	872-50-4	0.01 - 0.1
Benzene	71-43-2	0.001- 0.01
Methyl Alcohol	67-56-1	< 10 ppm

Canadian Regulations:

CEPA DSL: The components of this product ARE listed on the Canadian Domestic Substances List.

WHMIS Hazard Class: B2 D2A

16. OTHER INFORMATION

Revision Date 03-10-2016

Disclaimer This SDS has been prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada's Controlled Product Regulations (CPR). To the best of our knowledge the information contained herein is accurate. Determination of safe handling, application and use of this material is the responsibility of the end user. This information is furnished without warranty, expressed or implied.