## SAFETY DATA SHEET.



Issuing date April 17, 2018 Revision Date April 17, 2018 Version 2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name Vinyl, Plastic, & Carpet Dye –CARBON GRAY

Recommended use of the chemical

and restrictions on use

Product code HT 445

<u>Product Type</u> Extremely flammable aerosol

Synonyms None

Supplier's details

Recommended Use Dye.

Uses advised against No information available

Manufactured For: Hi-Tech Industries 33106 W. 8 Mile Farmington, MI 48336

Company Telephone: 248-358-2626

Chemical Emergency Phone INFOTRAC 1-352-323-3500 (International)

**Number** 1-800-535-5053 (North America)

HT 445 CARBON GRAY Revision Date April 17, 2018

## 2. HAZARDS IDENTIFICATION

#### Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2
Reproductive Toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Gases under pressure	Compressed Gas

# GHS Label elements, including precautionary statements

#### **Emergency Overview**

#### DANGER

#### Hazard Statements

Causes skin irritation

Causes serious eye irritation

Suspected of causing cancer

Suspected of damaging fertility or the unborn child

May cause drowsiness or dizziness

May cause damage to organs (Central Nervous System, Central Vascular System, Eyes, Kidney, Liver, Lungs, Respiratory System, and skin) through prolonged or repeated exposure.

May be fatal if swallowed and enters airways

Extremely flammable aerosol

Contains gas under pressure; may explode if heated



Appearance opaque Physical state Aerosol Odor Solvent

## **Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/protective clothing/eye protection/face protection

Wash face, hands and any exposed skin thoroughly after handling

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

Use only outdoors or in a well-ventilated area

Keep away from heat/sparks/open flames/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

## **Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention

Specific treatment (see first aid on this label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention

IF ON SKIN: Wash with plenty of soap and water.

#### **HT 445 CARBON GRAY**

If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

#### **Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

None

#### Other information

Toxic to aquatic life with long lasting effects

6.26E-06% of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %*
ACETONE	67-64-1	60-70
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	50-60
TOLUENE	108-88-3	30-40
2-BUTANONE	78-93-3	1-10
N-BUTYL ALCOHOL	71-36-3	1-10
TITANIUM DIOXIDE	13463-67-7	1-10
XYLENE	1330-20-7	1-10
ETHYL BENZENE	100-41-4	1-10
METHYL ISOBUTYL KETONE	108-10-1	0.1-1

<sup>\*</sup>The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

## First aid measures for different exposure routes

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

eye wide open while rinsing. If irritation persists, call a physician.

**Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes. If skin irritation persists, call a physician.

**Inhalation** Move to fresh air. If breathing is difficult, give oxygen. Artificial respiration and/or oxygen

may be necessary. If breathing has stopped, contact emergency medical services

immediately.

Ingestion Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a

physician or Poison Control Center immediately.

### Most important symptoms/effects, acute and delayed

Main Symptoms Causes skin and eye irritation. Irritating to respiratory system. May cause drowsiness or

dizziness. May damage to fertility or the unborn child. May cause cancer. Harmful or fatal

if swallowed and enters airways. Causes damage to organs through prolonged or

repeated exposure.

## Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

#### **Suitable Extinguishing Media**

Water fog.Dry chemical. Carbon dioxide (CO2). Cool containers/tanks with water spray.

Unsuitable Extinguishing Media Decomposition by contact with water may generate vapors which can be ignited by heat or

open flame.

#### Specific hazards arising from the chemical

Extremely flammable. Risk of ignition. In the event of fire and/or explosion do not breathe fumes.

#### **Explosion Data**

Sensitivity to Mechanical Impact none. Sensitivity to Static Discharge Yes.

#### **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.

#### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not

puncture or incinerate cans. Do no stick pin or any other sharp object into opening on top of can. Avoid skin contact. Use with adequate ventilation. Keep container away from

heat,flames, and all other sources of ignition. Keep can away from all sources of electricity

such as electric motors and batteries. Do not spray on hot surfaces.

## Environmental precautions

**Environmental precautions** Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate

in low areas. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into

surface water or sanitary sewer system.

## Methods and materials for containment and cleaning up

Methods for Containment Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste

container.

Methods for cleaning up Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

## 7. HANDLING AND STORAGE

·

## Precautions for safe handling

Advice on safe handling Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not

puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top

of can.

## Conditions for safe storage, including any incompatibilities

**Technical measures/Storage** 

conditions

Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep in properly labeled containers. Keep out

of the reach of children. Store locked up.

**Incompatible products** Strong acids, alkalis, or oxidizing agents.

Aerosol Level 3

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Control parameters

**Exposure Guidelines** 

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
ACETONE	STEL: 750 ppm	TWA: 1000 ppm	IDLH: 2500 ppm
67-64-1	TWA: 500 ppm	TWA: 2400 mg/m <sup>3</sup>	TWA: 250 ppm
		(vacated) TWA: 750 ppm	TWA: 590 mg/m <sup>3</sup>
		(vacated) TWA: 1800 mg/m <sup>3</sup>	
		(vacated) STEL: 2400 mg/m <sup>3</sup>	
		The acetone STEL does not apply	
		to the cellulose acetate fiber	
		industry. It is in effect for all other	
		sectors	
		(vacated) STEL: 1000 ppm	
PROPANE/ISOBUTANE/N-BUTANE	74-98-6: TWA: 1000 ppm	74-98-6:TWA: 1000 ppm	74-98-6:IDLH: 2100 ppm
68476-86-8	106-97-8: STEL: 1000 ppm	TWA: 1800 mg/m <sup>3</sup>	TWA: 1000 ppm
	75-28-5: STEL: 1000 ppm	(vacated) TWA: 1000 ppm	TWA: 1800 mg/m <sup>3</sup>
		(vacated) TWA: 1800 mg/m <sup>3</sup>	106-97-8:TWA: 800 ppm
		106-97-8: (vacated) TWA: 800	TWA: 1900 mg/m <sup>3</sup>
		ppm	75-28-5:TWA: 800 ppm
		(vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 1900 mg/m <sup>3</sup>
TOLUENE	TWA: 20 ppm	TWA: 200 ppm	IDLH: 500 ppm
108-88-3		(vacated) TWA: 100 ppm	TWA: 100 ppm
		(vacated) TWA: 375 mg/m <sup>3</sup>	TWA: 375 mg/m <sup>3</sup>
		(vacated) STEL: 150 ppm	STEL: 150 ppm
		(vacated) STEL: 560 mg/m <sup>3</sup>	STEL: 560 mg/m <sup>3</sup>
		Ceiling: 300 ppm	
2-BUTANONE	STEL: 300 ppm	TWA: 200 ppm	IDLH: 3000 ppm
78-93-3	TWA: 200 ppm	TWA: 590 mg/m <sup>3</sup>	TWA: 200 ppm
		(vacated) TWA: 200 ppm	TWA: 590 mg/m <sup>3</sup>
		(vacated) TWA: 590 mg/m <sup>3</sup>	STEL: 300 ppm
		(vacated) STEL: 300 ppm	STEL: 885 mg/m <sup>3</sup>
		(vacated) STEL: 885 mg/m <sup>3</sup>	
N-BUTYL ALCOHOL	TWA: 20 ppm	TWA: 100 ppm	IDLH: 1400 ppm
71-36-3		TWA: 300 mg/m <sup>3</sup>	Ceiling: 50 ppm
		(vacated) S*	Ceiling: 150 mg/m <sup>3</sup>
		(vacated) Ceiling: 50 ppm	
		(vacated) Ceiling: 150 mg/m <sup>3</sup>	
TITANIUM DIOXIDE	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust	IDLH: 5000 mg/m <sup>3</sup>
13463-67-7		(vacated) TWA: 10 mg/m <sup>3</sup> total	
		dust	

#### **HT 445 CARBON GRAY**

XYLENE	STEL: 150 ppm	TWA: 100 ppm	-
1330-20-7	TWA: 100 ppm	TWA: 435 mg/m <sup>3</sup>	
		(vacated) TWA: 100 ppm	
		(vacated) TWA: 435 mg/m <sup>3</sup>	
		(vacated) STEL: 150 ppm	
		(vacated) STEL: 655 mg/m <sup>3</sup>	
ETHYL BENZENE	TWA: 20 ppm	TWA: 100 ppm	IDLH: 800 ppm
100-41-4		TWA: 435 mg/m <sup>3</sup>	TWA: 100 ppm
		(vacated) TWA: 100 ppm	TWA: 435 mg/m <sup>3</sup>
		(vacated) TWA: 435 mg/m <sup>3</sup>	STEL: 125 ppm
		(vacated) STEL: 125 ppm	STEL: 545 mg/m <sup>3</sup>
		(vacated) STEL: 545 mg/m <sup>3</sup>	
METHYL ISOBUTYL KETONE	STEL: 75 ppm	TWA: 100 ppm	IDLH: 500 ppm
108-10-1	TWA: 20 ppm	TWA: 410 mg/m <sup>3</sup>	TWA: 50 ppm
		(vacated) TWA: 50 ppm	TWA: 205 mg/m <sup>3</sup>
		(vacated) TWA: 205 mg/m <sup>3</sup>	STEL: 75 ppm
		(vacated) STEL: 75 ppm	STEL: 300 mg/m <sup>3</sup>
		(vacated) STEL: 300 mg/m <sup>3</sup>	

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration) NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d

962 (11th Cir., 1992).

**Exposure controls** 

Engineering Measures Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Safety glasses with side-shields.

**Skin and body protection** Chemical resistant apron. Protective gloves.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

Odor

Based on propellant

provided in accordance with current local regulations.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Physical and chemical properties

Physical state Aerosol Appearance opaque

Color Carbon Gray Odor Threshold No information available

Property Values Remarks • Methods

PH No information available

Melting/freezing point No information available

No information available

Boiling point/boiling range
Flash Point
Flash Point
Fvaporation rate

No information available
-97 °C / -142 °F
No information available

Flammability (solid, gas)
Flammability Limits in Air
upper flammability limit
No information available

upper flammability limit
lower flammability limit
No information available
No information available

Solvent

HT 445 CARBON GRAY Revision Date April 17, 2018

Not applicable

Vapor pressureNo information availableVapor densityNo information available

Specific Gravity 0.826

Water solubility Practically insoluble
Partition coefficient: n-octanol/waterNo information available
Autoignition temperature No information available
Percomposition temperature No information available

Decomposition temperatureNo information availableViscosityNo information availableExplosive propertiesNo information available

Other information

 VOC Content(%)
 53.8

 MIR Value
 1.31

## 10. STABILITY AND REACTIVITY

#### Reactivity

No data available

## Chemical stability

Stable under recommended storage conditions.

## Possibility of hazardous reactions

None under normal processing.

#### **Conditions to Avoid**

Extremes of temperature and direct sunlight.

#### **Incompatible Materials**

Strong acids, alkalis, or oxidizing agents.

## **Hazardous Decomposition Products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

## Information on likely routes of exposure

#### **Product Information**

**Inhalation** Vapors may irritate throat and respiratory system. May cause drownsiness and dizziness

based on components. May cause irritation of respiratory tract. Avoid breathing vapors or

mists.

**Eye contact** Irritating to eyes. Avoid contact with eyes.

**Skin contact** Irritating to skin. Repeated exposure may cause skin dryness or cracking. Prolonged skin

contact may defat the skin and produce dermatitis. Avoid contact with skin.

Ingestion May be harmful if swallowed. Aspiration into the lungs during swallowing may cause serious

lung damage which may be fatal.

**Component Information** 

Component information	_		
Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
ACETONE	= 5800 mg/kg	20,000 mg/kg (Rabbit)	= 50100 mg/m <sup>3</sup> (Rat) 8 h
67-64-1			
TOLUENE	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h
108-88-3			

#### **HT 445 CARBON GRAY**

2-BUTANONE	= 2483 mg/kg (Rat)	= 5000 mg/kg ( Rabbit )	= 11700 ppm (Rat) 4 h
78-93-3			
N-BUTYL ALCOHOL	= 700 mg/kg (Rat)	= 3402 mg/kg ( Rabbit )	> 8000 ppm (Rat) 4 h
71-36-3			
TITANIUM DIOXIDE	> 10000 mg/kg (Rat)	-	-
13463-67-7			
XYLENE	= 3500 mg/kg (Rat)	> 4350 mg/kg ( Rabbit )	= 29.08 mg/L (Rat) 4 h
1330-20-7			
ETHYL BENZENE	-	= 15400 mg/kg (Rabbit)	-
100-41-4			
METHYL ISOBUTYL KETONE	= 2080 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	= 8.2 mg/L (Rat) 4 h
108-10-1			

## Information on toxicological effects

Symptoms Symptoms of overexposure may be headache, tiredness, nausea, and vomiting. Causes

respiratory irritation. Causes skin and eye irritation. May cause damage through repeated or prolonged exposure. Suspected of damaging fertility and unborn child. Aspiration into the

lungs during swallowing may cause serious lung damage which may be fatal.

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

**Skin corrosion/irritation Eye damage/irritation**Irritating to skin.

Irritating to eyes.

Irritation Irritating to eyes, respiratory system and skin.

Sensitization None known.
Germ Cell Mutagenicity None known.

**Carcinogenicity** The table below indicates whether each agency has evaluated a listed ingredient as a

carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
TOLUENE 108-88-3	-	Group 3	-	-
TITANIUM DIOXIDE 13463-67-7	-	2B	-	-
XYLENE 1330-20-7	-	Group 3	-	-
ETHYL BENZENE 100-41-4	A3	Group 2B	-	-
METHYL ISOBUTYL KETONE 108-10-1	A3	Group 2B	-	-

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans OSHA: (Occupational Safety & Health Administration)

X - Present

Reproductive toxicity
Specific target organ systemic

Product is or contains a chemical which is a known or suspected reproductive hazard.

May cause respiratory irritation. May cause drowsiness and dizziness.

toxicity (single exposure) Specific target organ systemic May cause damage to organs through prolonged or repeated exposure.

toxicity (repeated exposure)
Chronic toxicity
May cause adverse liver effects.

Target Organ Effects Central nervous system, Central Vascular System (CVS), Eyes, Kidney, Liver, Lungs,

Respiratory system, Skin.

Neurological effects Intentional misuse by deliberately concentrating and inhaling contents may be harmful or

fatal.

**Aspiration hazard** May be fatal if swallowed and enters airways.

#### Numerical measures of toxicity - Product Information

**Unknown Acute Toxicity** 6.26E-06% of the mixture consists of ingredient(s) of unknown toxicity

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

ATEmix (oral)22228mg/kgATEmix (dermal)12565mg/kgATEmix (inhalation-gas)871844mg/lATEmix (inhalation-dust/mist)106.5mg/l

## 12. ECOLOGICAL INFORMATION

## **Ecotoxicity**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to	Toxicity to daphnia and
			microorganisms	other aquatic invertebrates
ACETONE	-	4.74 - 6.33 mL/L LC50	-	10294 - 17704 mg/L EC50
67-64-1		Oncorhynchus mykiss 96h		Daphnia magna 48h Static
		6210 - 8120 mg/L LC50		12600 - 12700 mg/L EC50
		Pimephales promelas 96h		Daphnia magna 48h
		static 8300 mg/L LC50		
		Lepomis macrochirus 96h		
PROPANE/ISOBUTANE/N-	-	-	-	-
BUTANE				
68476-86-8				
TOLUENE	433 mg/L EC50	11.0 - 15.0 mg/L LC50	-	5.46 - 9.83 mg/L EC50
108-88-3	Pseudokirchneriella	Lepomis macrochirus 96h		Daphnia magna 48h Static
	subcapitata 96h 12.5 mg/L	static 14.1 - 17.16 mg/L		11.5 mg/L EC50 Daphnia
	EC50 Pseudokirchneriella	LC50 Oncorhynchus mykiss		magna 48h
	subcapitata 72h static	96h static 15.22 - 19.05 mg/L		
		LC50 Pimephales promelas		
		96h flow-through 5.89 - 7.81		
		mg/L LC50 Oncorhynchus		
		mykiss 96h flow-through		
		50.87 - 70.34 mg/L LC50		
		Poecilia reticulata 96h static		
		12.6 mg/L LC50 Pimephales		
		promelas 96h static 28.2		
		mg/L LC50 Poecilia		
		reticulata 96h semi-static 5.8		
		mg/L LC50 Oncorhynchus		
		mykiss 96h semi-static 54		
		mg/L LC50 Oryzias latipes		
		96h static		
2-BUTANONE	-	3130 - 3320 mg/L LC50	-	4025 - 6440 mg/L EC50
78-93-3		Pimephales promelas 96h		Daphnia magna 48h Static
		flow-through		5091 mg/L EC50 Daphnia
				magna 48h 520 mg/L EC50
				Daphnia magna 48h
N-BUTYL ALCOHOL	500 mg/L EC50	100000 - 500000 μg/L LC50	-	1897 - 2072 mg/L EC50
71-36-3	Desmodesmus subspicatus	Lepomis macrochirus 96h		Daphnia magna 48h Static
	96h 500 mg/L EC50	static 1730 - 1910 mg/L		1983 mg/L EC50 Daphnia
	Desmodesmus subspicatus	LC50 Pimephales promelas		magna 48h
	72h	96h static 1740 mg/L LC50		
		Pimephales promelas 96h		
		flow-through 1910000 µg/L		
		LC50 Pimephales promelas		
		96h static		

\0.4 E\1E	1	101 105		
XYLENE	-	13.1 - 16.5 mg/L LC50	-	0.6 mg/L LC50 Gammarus
1330-20-7		Lepomis macrochirus 96h		lacustris 48h 3.82 mg/L
		flow-through 13.5 - 17.3		EC50 water flea 48h
		mg/L LC50 Oncorhynchus		
		mykiss 96h 2.661 - 4.093		
		mg/L LC50 Oncorhynchus		
		mykiss 96h static 23.53 -		
		29.97 mg/L LC50		
		Pimephales promelas 96h		
		static 30.26 - 40.75 mg/L		
		LC50 Poecilia reticulata 96h		
		static 7.711 - 9.591 mg/L		
		LC50 Lepomis macrochirus		
		96h static 13.4 mg/L LC50		
		Pimephales promelas 96h		
		flow-through 19 mg/L LC50		
		Lepomis macrochirus 96h		
		780 mg/L LC50 Cyprinus		
		carpio 96h semi-static 780		
		mg/L LC50 Cyprinus carpio		
		96h		
ETHYL BENZENE	4.6 mg/L EC50	11.0 - 18.0 mg/L LC50	-	1.8 - 2.4 mg/L EC50 Daphnia
100-41-4	Pseudokirchneriella	Oncorhynchus mykiss 96h		magna 48h
	subcapitata 72h 438 mg/L	static 7.55 - 11 mg/L LC50		
	EC50 Pseudokirchneriella	Pimephales promelas 96h		
	subcapitata 96h 2.6 - 11.3	flow-through 9.1 - 15.6 mg/L		
	mg/L EC50	LC50 Pimephales promelas		
	Pseudokirchneriella	96h static 32 mg/L LC50		
	subcapitata 72h static 1.7 -	Lepomis macrochirus 96h		
	7.6 mg/L EC50	static 4.2 mg/L LC50		
	Pseudokirchneriella	Oncorhynchus mykiss 96h		
	subcapitata 96h static	semi-static 9.6 mg/L LC50		
	Sassaphala oon oldlio	Poecilia reticulata 96h static		
METHYL ISOBUTYL	400 mg/L EC50	496 - 514 mg/L LC50	_	170 mg/L EC50 Daphnia
KETONE	Pseudokirchneriella	Pimephales promelas 96h		magna 48h
108-10-1	subcapitata 96h	flow-through		Illaglia 4011
100-10-1	Subcapitata 9011	now-unough		

# Persistence and degradability No information available.

## **Bioaccumulation**

No information available.

Chemical Name	log Pow
ACETONE	-0.24
67-64-1	
PROPANE/ISOBUTANE/N-BUTANE	2.8
68476-86-8	
TOLUENE	2.65
108-88-3	
2-BUTANONE	0.29
78-93-3	
N-BUTYL ALCOHOL	0.785
71-36-3	
XYLENE	3.15
1330-20-7	
ETHYL BENZENE	3.118
100-41-4	
METHYL ISOBUTYL KETONE	1.19
108-10-1	

Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

HT 445 CARBON GRAY Revision Date April 17, 2018

Waste treatment

Waste Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR

261).

Contaminated packaging Do not re-use empty containers. Empty containers should be taken to an approved waste

handling site for recycling or disposal. Pressurized container: Do not pierce or burn, even

after use.

## 14. TRANSPORT INFORMATION

**DOT Ground** CONSUMER COMMODITY ORM-D

or

LIMITED QUANTITY

IATA UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD. QTY.

IMDG UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD. QTY.

## **15. REGULATORY INFORMATION**

## **International Inventories**

Chemical Name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
ACETONE	Х	Х	Х	X	X	X	X	Х
PROPANE/ISOBUTAN E/N-BUTANE	Х	Х	Х	Not listed	Х	Х	Х	Х
TOLUENE	Х	Х	X	Х	Х	Х	X	X
2-BUTANONE	Х	Х	Х	X	X	X	X	Х
N-BUTYL ALCOHOL	Х	Х	Х	X	X	X	X	Х
TITANIUM DIOXIDE	Х	Х	Х	Х	Х	Х	Х	Х
XYLENE	Х	Х	Х	Х	Х	Х	X	Х
ETHYL BENZENE	Х	X	X	Χ	Χ	Χ	X	Х
METHYL ISOBUTYL KETONE	Х	Х	Х	Х	Х	Х	Х	Х

## 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 Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

CHINA - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

### U.S. Federal Regulations

#### **HT 445 CARBON GRAY**

**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	CAS-No	Weight %*	SARA 313 - Threshold Values %
TOLUENE - 108-88-3	108-88-3	30-40	1.0
N-BUTYL ALCOHOL - 71-36-3	71-36-3	1-10	1.0
XYLENE - 1330-20-7	1330-20-7	1-10	1.0
ETHYL BENZENE - 100-41-4	100-41-4	1-10	0.1
METHYL ISOBUTYL KETONE - 108-10-1	108-10-1	0.1-1	1.0

## SARA 311/312 Hazard Categories

**Acute Health Hazard** Yes **Chronic Health Hazard** Yes Fire Hazard Yes **Sudden Release of Pressure Hazard** Yes **Reactive Hazard** no

## **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
TOLUENE	1000 lb	X	X	X
108-88-3				
XYLENE	100 lb			X
1330-20-7				
ETHYL BENZENE	1000 lb	X	X	X
100-41-4				

## CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
ACETONE 67-64-1	5000 lb	nws	RQ 5000 lb final RQ RQ 2270 kg final RQ
TOLUENE 108-88-3	1000 lb 1 lb		RQ 1000 lb final RQ RQ 454 kg final RQ RQ 1 lb final
			RQ RQ 0.454 kg final RQ
2-BUTANONE 78-93-3	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
N-BUTYL ALCOHOL 71-36-3	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
XYLENE 1330-20-7	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
ETHYL BENZENE 100-41-4	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
METHYL ISOBUTYL KETONE 108-10-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

## U.S. State Regulations

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65	
TOLUENE - 108-88-3	Developmental	
	Female Reproductive	
TITANIUM DIOXIDE - 13463-67-7	Carcinogen	
ETHYL BENZENE - 100-41-4	Carcinogen	
METHYL ISOBUTYL KETONE - 108-10-1	Carcinogen	
	Developmental	

#### **HT 445 CARBON GRAY**

#### **U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
ACETONE	X	X	X
67-64-1			
TOLUENE	X	X	X
108-88-3			
2-BUTANONE	X	X	X
78-93-3			
N-BUTYL ALCOHOL	X	X	X
71-36-3			
TITANIUM DIOXIDE	X	X	X
13463-67-7			
XYLENE	X	X	X
1330-20-7			
ETHYL BENZENE	X	X	X
100-41-4			
METHYL ISOBUTYL KETONE	X	X	X
108-10-1			

**EPA Pesticide Registration Number** Not applicable

## Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.



## **16. OTHER INFORMATION**

NFPAHealth Hazard2Flammability4Instability0Physical and chemical hazards -HMISHealth Hazard2Flammability4Physical Hazard1Personal protectionB

Prepared By Regulatory Affairs Issuing date April 17, 2018 Revision Date April 17, 2018

**Revision Note** 

No information available

#### Disclaimer

The information provided on this SDS 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.

**End of Safety Data Sheet**