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Printing date 02/27/2024

Reviewed on 02/23/2024

### 1 Identification

· Product identifier

· Trade name: 1409 2.8 VOC PURE WHITE SINGLE STAGE

· Article number: 1409

· Details of the supplier of the safety data sheet

Manufacturer/Supplier:
HIGH TECK PRODUCTS
PO BOX 24631
WEST PALM BEACH, FLORIDA 33416
USA
877-900-8325

info@highteckproducts.com

· Information department: Product safety department

Emergency telephone number: 800 424-9300 (Chemtrec)

# 2 Hazard(s) identification

· Classification of the substance or mixture



GHS02 Flame

Flammable Liquids 2 H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Carcinogenicity 2 H351 Suspected of causing cancer. Route of exposure: Inhalation.



Eye Irritation 2A H319 Causes serious eye irritation.

Sensitization - Skin 1 H317 May cause an allergic skin reaction.

- · Label elements
- · GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

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### · Hazard pictograms







SHS02 GHS07 (

#### · Signal word Danger

### · Hazard-determining components of labeling:

titanium dioxide

4-chloro-alpha,alpha,alpha-trifluorotoluene ethylbenzene

bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate

#### · Hazard statements

Highly flammable liquid and vapor.

Causes serious eye irritation.

May cause an allergic skin reaction.

Suspected of causing cancer. Route of exposure: Inhalation.

#### · Precautionary statements

Obtain special instructions before use.

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

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust/fume/gas/mist/vapors/spray

Wash thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

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

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

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 advice/attention.

Specific treatment (see on this label).

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Wash contaminated clothing before reuse.

In case of fire: Use CO2, powder or water spray to extinguish.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

#### · Classification system:

### · NFPA ratings (scale 0 - 4)



Health = 2 Fire = 3 Reactivity = 0

## · HMIS-ratings (scale 0 - 4)



Health = 2 Fire = 3

Reactivity = 0

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- · Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable. · **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous	components:	
13463-67-7	titanium dioxide	10-25%
123-86-4	n-butyl acetate	10-25%
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	2.5-10%
110-43-0	heptan-2-one	2.5-10%
67-64-1	acetone	2.5-10%
	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	0-10%
100-41-4	ethylbenzene	≤2.5%
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	≤2.5%

## 4 First-aid measures

- · Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eve contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- · After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- · Most important symptoms and effects, both acute and delayed

No further relevant information available.

· Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## 5 Fire-fighting measures

- · Extinguishing media
- · Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- · Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: No special measures required.

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### 6 Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

### Environmental precautions:

Prevent seepage into sewage system, workpits and cellars.

Dilute with plenty of water.

### Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

### Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

#### Protective Action Criteria for Chemicals

13463-67-7	titanium dioxide	30 mg/m³
123-86-4	n-butyl acetate	5 ppm
110-43-0	heptan-2-one	150 ppm
67-64-1	acetone	200 ppm
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	9.3 mg/m³
1330-20-7	xylene	130 ppm
100-41-4	ethylbenzene	33 ppm
108-38-3	m-xylene	130 ppm
71-36-3	butan-1-ol	60 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
122-99-6	2-phenoxyethanol	1.5 ppm
77-58-7	dibutyltin dilaurate	1.1 mg/m³
14808-60-7	Quartz (SiO2)	0.075 mg/r
57-55-6	Propylene glycol	30 mg/m³
78-83-1	butanol	150 ppm
7664-38-2	phosphoric acid	3 mg/m³
PAC-2:		·
13463-67-7	titanium dioxide	330 mg/m <sup>3</sup>
123-86-4	n-butyl acetate	200 ppm
110-43-0	heptan-2-one	670 ppm
67-64-1	acetone	3200* ppm
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	100 mg/m <sup>3</sup>
1330-20-7	xylene	920* ppm
100-41-4	ethylbenzene	1100* ppm
108-38-3	m-xylene	920 ppm
71-36-3	butan-1-ol	800 ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
122-99-6	2-phenoxyethanol	16 ppm
77-58-7	dibutyltin dilaurate	8 mg/m³

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14808-60-7	Quartz (SiO2)	33 mg/m³
57-55-6	Propylene glycol	1,300 mg/m³
78-83-1	butanol	1,300 ppm
7664-38-2	phosphoric acid	30 mg/m³
· PAC-3:		
13463-67-7	titanium dioxide	2,000 mg/m³
123-86-4	n-butyl acetate	3000* ppm
110-43-0	heptan-2-one	4000* ppm
67-64-1	acetone	5700* ppm
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	230 mg/m³
1330-20-7	xylene	2500* ppm
100-41-4	ethylbenzene	1800* ppm
108-38-3	m-xylene	2500* ppm
71-36-3	butan-1-ol	8000** ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
122-99-6	2-phenoxyethanol	97 ppm
77-58-7	dibutyltin dilaurate	48 mg/m³
14808-60-7	Quartz (SiO2)	200 mg/m³
57-55-6	Propylene glycol	7,900 mg/m³
78-83-1	butanol	8000* ppm
7664-38-2	phosphoric acid	150 mg/m³

# 7 Handling and storage

- · Handling:
- · Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

- · Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Specific end use(s) No further relevant information available.

## 8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see section 7.

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### · Control parameters

#### · Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

### 123-86-4 n-butyl acetate

PEL Long-term value: 710 mg/m³, 150 ppm REL Short-term value: 950 mg/m³, 200 ppm Long-term value: 710 mg/m³, 150 ppm

TLV Short-term value: 150 ppm Long-term value: 50 ppm

### 110-43-0 heptan-2-one

PEL Long-term value: 465 mg/m³, 100 ppm REL Long-term value: 465 mg/m³, 100 ppm

TLV Long-term value: 50 ppm

#### 67-64-1 acetone

PEL Long-term value: 2400 mg/m³, 1000 ppm REL Long-term value: 590 mg/m³, 250 ppm

TLV Short-term value: 500 ppm Long-term value: 250 ppm

A4, BEI

### 100-41-4 ethylbenzene

PEL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 545 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm

TLV Long-term value: 20 ppm OTO, BEI, A3

### Ingredients with biological limit values:

#### 67-64-1 acetone

BEI 25 mg/L

Medium: urine Time: end of shift

Parameter: Acetone (nonspecific)

#### 100-41-4 ethylbenzene

BEI 0.15 g/g creatinine

Medium: urine

Time: end of shift at end of workweek

Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific)

- · Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

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### · Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### · Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### · Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles

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· Information on basic physical and chemical properties	
General Information	
· Annogranco:	

Appearance:

Form: Liquid Color: White

· Odor: Product specific · Odor threshold: Not determined.

· **pH-value:** Not determined (pH N/A in solvent coatings)

· Change in condition

Melting point/Melting range: Undetermined.

**Boiling point/Boiling range:** 55.8-56.6 °C (132.4-133.9 °F)

• Flash point: <-18 °C (<-0.4 °F)

· Flammability (solid, gaseous): Highly flammable.

· Auto igniting: 370 °C (698 °F)
· Decomposition temperature: Not determined.

Ignition temperature: Product is not selfigniting.

• Danger of explosion: Product is not explosive. However, formation of explosive air/

vapor mixtures are possible.

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Explosion limits:		
Lower:	1.2 Vol %	
Upper:	7.5 Vol %	
Vapor pressure at 20 °C (68 °F):	10.7 hPa (8 mm Hg)	
Vapor pressure at 50 °C (122 °F):	55 hPa (41.3 mm Hg)	
Density at 20 °C (68 °F):	1.2949 g/cm³ (10.8059 lbs/gal)	
Relative density	Not determined.	
Vapor density	Not determined.	
Evaporation rate	Not determined.	
Solubility in / Miscibility with		
Water:	Fully miscible.	
Partition coefficient (n-octanol/wa	ter): Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
Solvent content:		
Organic solvents:	22.8 %	
VOC content:	17.74 %	
	355.7 g/l / 2.97 lb/gal	
Solids content:	64.4 %	
Other information	No further relevant information available.	

## 10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- · Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

## 11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

#### 13463-67-7 titanium dioxide

 Oral
 LD50
 >20,000 mg/kg (rat)

 Dermal
 LD50
 >10,000 mg/kg (rabbit)

 Inhalative
 LC50/4 h
 >6.82 mg/l (rat)

- Primary irritant effect:
- on the skin: No irritant effect.
- · on the eye: Irritating effect.
- · Sensitization: Sensitization possible through skin contact.

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#### · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

· Carcinogenic categories

· IARC (Inter	national Agency for Research on Cancer)	
13463-67-7	titanium dioxide	28
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	28
1330-20-7	xylene	3
100-41-4	ethylbenzene	28
95-47-6	o-xylene	3
106-42-3	p-xylene	3
108-38-3	m-xylene	3
14808-60-7	Quartz (SiO2)	1
· NTP (Natio	nal Toxicology Program)	
14808-60-7	Quartz (SiO2)	ŀ
· OSHA-Ca (	Occupational Safety & Health Administration)	
None of the	ingredients is listed.	

## 12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- Additional ecological information:
- · General notes: Not hazardous for water.
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- Other adverse effects No further relevant information available.

## 13 Disposal considerations

- · Waste treatment methods
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

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## 14 Transport information · UN-Number · DOT, IMDG, IATA UN1263 · UN proper shipping name Paint **PAINT** · IMDG, IATA · Transport hazard class(es) · DOT 3 Flammable liquids · Class ·Label · IMDG, IATA 3 Flammable liquids · Class · Label · Packing group · DOT, IMDG, IATA II· Environmental hazards: Not applicable. · Special precautions for user Warning: Flammable liquids · Hazard identification number (Kemler code): 33 · EMS Number: F-E,S-E · Stowage Category В · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. · Transport/Additional information: · DOT · Quantity limitations On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L · IMDG · Limited quantities (LQ) 5L · Excepted quantities (EQ) Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml · UN "Model Regulation": UN 1263 PAINT, 3, II

### 15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

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Sara		(Contd. of page
	5 (extremely hazardous substances):	
	e ingredients is listed.	
Section 31	3 (Specific toxic chemical listings):	
1330-20-7	``	
	ethylbenzene	
95-47-6	o-xylene	
106-42-3	p-xylene	
108-38-3	m-xylene	
71-36-3	butan-1-ol	
122-99-6	2-phenoxyethanol	
7664-38-2	phosphoric acid	
TSCA (To	kic Substances Control Act):	
All compon	ents have the value ACTIVE.	
Hazardous	s Air Pollutants	
1330-20-7		
	ethylbenzene	
	o-xylene	
106-42-3	•	
	m-xylene	
Propositio		
Chemicals	known to cause cancer:	
13463-67-7	titanium dioxide	
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	
100-41-4	t ethylbenzene	
14808-60-7	Quartz (SiO2)	
Chemicals	known to cause reproductive toxicity for females:	
None of the	e ingredients is listed.	
Chemicals	known to cause reproductive toxicity for males:	
	e ingredients is listed.	
Chemicals	known to cause developmental toxicity:	
	e ingredients is listed.	
_	nic categories	
	ronmental Protection Agency)	
	acetone	
1330-20-7		
	ethylbenzene	
106-42-3	o-xylene	
	m-xylene	
	•	
71 26 2	Dutair i-Oi	
71-36-3	shold Limit Value)	

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67-64-1	acetone	A4
1330-20-7	xylene	A4
100-41-4	ethylbenzene	A3
95-47-6	o-xylene	A4
106-42-3	p-xylene	A4
108-38-3	m-xylene	A4
77-58-7	dibutyltin dilaurate	A4
14808-60-7	Quartz (SiO2)	A2
· NIOSH-Ca (	National Institute for Occupational Safety and Health)	一
13463-67-7	titanium dioxide	
14808-60-7	Quartz (SiO2)	

#### GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

### · Hazard pictograms







GHS02 GHS07 GHS08

## · Signal word Danger

## · Hazard-determining components of labeling:

titanium dioxide

4-chloro-alpha,alpha,alpha-trifluorotoluene

ethylbenzene

bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate

### Hazard statements

Highly flammable liquid and vapor.

Causes serious eye irritation.

May cause an allergic skin reaction.

Suspected of causing cancer. Route of exposure: Inhalation.

#### · Precautionary statements

Obtain special instructions before use.

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

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust/fume/gas/mist/vapors/spray

Wash thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

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

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

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 advice/attention.

Specific treatment (see on this label).

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

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Wash contaminated clothing before reuse.

In case of fire: Use CO2, powder or water spray to extinguish.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Department issuing SDS: Environment protection department.
- · Contact: Product Safety Dept.
- · Date of preparation / last revision 02/27/2024
- · Abbreviations and acronvms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA)

NOC: Valatila Organia Compounda (USA, EU)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flammable Liquids 2: Flammable liquids – Category 2

Eye Irritation 2A: Serious eye damage/eye irritation - Category 2A

Sensitization - Skin 1: Skin sensitisation - Category 1

Carcinogenicity 2: Carcinogenicity - Category 2

\* \* Data compared to the previous version altered.

USA