



Safety Data Sheet
acc. to OSHA HCS

Printing date 07/16/2025

Reviewed on 07/16/2025

1 Identification

- **Product identifier**
- **Trade name:** HIT_2417-1 NR J.D. GREEN (ORIGINAL) 2K SS FPC
- **Article number:** 2417
- **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 3

H226 Flammable liquid and vapor.



GHS08 Health hazard

Carcinogenicity 2

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



GHS07

Sensitization - Skin 1

H317 May cause an allergic skin reaction.

Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.

- **Label elements**

- **GHS label elements**

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

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/16/2025

Reviewed on 07/16/2025

Trade name: HIT_2417-1 NR J.D. GREEN (ORIGINAL) 2K SS FPC

(Contd. of page 1)

· **Hazard pictograms**



GHS02 GHS07 GHS08

· **Signal word** Warning

· **Hazard-determining components of labeling:**

n-butyl acetate
 titanium dioxide
 ethylbenzene
 bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate

· **Hazard statements**

Flammable liquid and vapor.
 May cause an allergic skin reaction.
 Suspected of causing cancer. Route of exposure: Inhalation.
 May cause drowsiness or dizziness.

· **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.
 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
 Use only outdoors or in a well-ventilated area.
 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 INHALED: Remove person to fresh air and keep comfortable for breathing.
 IF exposed or concerned: Get medical advice/attention.
 Call a poison center/doctor if you feel unwell.
 Specific treatment (see on this label).
 If skin irritation or rash occurs: 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 container tightly closed.
 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 = 0
 Fire = 3
 Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



HEALTH 0 Health = 0
 FIRE 3 Fire = 3
 REACTIVITY 0 Reactivity = 0

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/16/2025

Reviewed on 07/16/2025

Trade name: HIT_2417-1 NR J.D. GREEN (ORIGINAL) 2K SS FPC

(Contd. of page 2)

- **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:**

123-86-4	n-butyl acetate	25-50%
110-43-0	heptan-2-one	2.5-10%
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	0-10%
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	≤2.5%
13463-67-7	titanium dioxide	≤2.5%
100-41-4	ethylbenzene	≤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 eye contact:** Rinse opened eye for several minutes under running water.
- **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.

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.

(Contd. on page 4)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/16/2025

Reviewed on 07/16/2025

Trade name: HIT_2417-1 NR J.D. GREEN (ORIGINAL) 2K SS FPC

(Contd. of page 3)

· **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**

· **PAC-1:**

123-86-4	<i>n</i> -butyl acetate	5 ppm
110-43-0	heptan-2-one	150 ppm
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	9.3 mg/m ³
13463-67-7	titanium dioxide	30 mg/m ³
1330-20-7	xylene	130 ppm
67-64-1	acetone	200 ppm
79-20-9	methyl acetate	250 ppm
100-41-4	ethylbenzene	33 ppm
108-38-3	<i>m</i> -xylene	130 ppm
122-99-6	2-phenoxyethanol	1.5 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
77-58-7	dibutyltin dilaurate	1.1 mg/m ³
7664-38-2	phosphoric acid	3 mg/m ³
14808-60-7	Quartz (SiO ₂)	0.075 mg/m ³
57-55-6	Propylene glycol	30 mg/m ³
78-83-1	butanol	150 ppm

· **PAC-2:**

123-86-4	<i>n</i> -butyl acetate	200 ppm
110-43-0	heptan-2-one	670 ppm
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	100 mg/m ³
13463-67-7	titanium dioxide	330 mg/m ³
1330-20-7	xylene	920* ppm
67-64-1	acetone	3200* ppm
79-20-9	methyl acetate	1,700 ppm
100-41-4	ethylbenzene	1100 ppm
108-38-3	<i>m</i> -xylene	920 ppm
122-99-6	2-phenoxyethanol	16 ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
77-58-7	dibutyltin dilaurate	3.8 mg/m ³
7664-38-2	phosphoric acid	30 mg/m ³
14808-60-7	Quartz (SiO ₂)	8.3 mg/m ³
57-55-6	Propylene glycol	1,300 mg/m ³
78-83-1	butanol	1,300 ppm

· **PAC-3:**

123-86-4	<i>n</i> -butyl acetate	3000* ppm
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(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/16/2025

Reviewed on 07/16/2025

Trade name: HIT_2417-1 NR J.D. GREEN (ORIGINAL) 2K SS FPC

		(Contd. of page 4)
110-43-0	heptan-2-one	4000* ppm
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	230 mg/m ³
13463-67-7	titanium dioxide	2,000 mg/m ³
1330-20-7	xylene	2500* ppm
67-64-1	acetone	5700* ppm
79-20-9	methyl acetate	10000* ppm
100-41-4	ethylbenzene	1800 ppm
108-38-3	m-xylene	2500* ppm
122-99-6	2-phenoxyethanol	97 ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
77-58-7	dibutyltin dilaurate	23 mg/m ³
7664-38-2	phosphoric acid	150 mg/m ³
14808-60-7	Quartz (SiO ₂)	50 mg/m ³
57-55-6	Propylene glycol	7,900 mg/m ³
78-83-1	butanol	8000* ppm

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:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **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.
- **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/m ³ , 150 ppm
REL	Short-term value: 950 mg/m ³ , 200 ppm
	Long-term value: 710 mg/m ³ , 150 ppm

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/16/2025

Reviewed on 07/16/2025

Trade name: HIT_2417-1 NR J.D. GREEN (ORIGINAL) 2K SS FPC

(Contd. of page 5)

TLV	Short-term value: 712 mg/m ³ , 150 ppm Long-term value: 238 mg/m ³ , 50 ppm
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110-43-0 heptan-2-one

PEL	Long-term value: 465 mg/m ³ , 100 ppm
REL	Long-term value: 465 mg/m ³ , 100 ppm
TLV	Long-term value: 50 ppm

100-41-4 ethylbenzene

PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 545 mg/m ³ , 125 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Long-term value: 20 ppm OTO, BEI, A3

Ingredients with biological limit values:**100-41-4 ethylbenzene**

BEI	0.15 g/g creatinine Medium: urine Time: end of shift Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific)
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- 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.

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.

(Contd. on page 7)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/16/2025

Reviewed on 07/16/2025

Trade name: HIT_2417-1 NR J.D. GREEN (ORIGINAL) 2K SS FPC

(Contd. of page 6)

· **Eye protection:**

Tightly sealed goggles

9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

Form:	Liquid
Color:	Green
Odor:	Characteristic
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:	124-128 °C (255.2-262.4 °F)

· **Flash point:** 27 °C (80.6 °F)· **Flammability:** 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.· **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):** 1.0304 g/cm³ (8.5987 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/water):** Not determined.· **Viscosity:**· **Dynamic:** Not determined.· **Kinematic:** Not determined.· **Solvent content:**· **Organic solvents:** 41.4 %

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/16/2025

Reviewed on 07/16/2025

Trade name: HIT_2417-1 NR J.D. GREEN (ORIGINAL) 2K SS FPC

(Contd. of page 7)

Water:	0.0 %
VOC content:	40.30 % 371.6 g/l / 3.10 lb/gal

Solids content:	58.1 %
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Other information	No further relevant information available.
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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:**

- **LD/LC50 values that are relevant for classification:**

123-86-4 n-butyl acetate

Oral	LD50	13,100 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>21 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

13463-67-7	titanium dioxide	2B
1330-20-7	xylene	3
100-41-4	ethylbenzene	2B
95-47-6	o-xylene	3
106-42-3	p-xylene	3
108-38-3	m-xylene	3
14808-60-7	Quartz (SiO ₂)	1

- **NTP (National Toxicology Program)**

14808-60-7	Quartz (SiO ₂)	K
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(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/16/2025

Reviewed on 07/16/2025

Trade name: HIT_2417-1 NR J.D. GREEN (ORIGINAL) 2K SS FPC

(Contd. of page 8)

- **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.

14 Transport information

- **UN-Number**
- **DOT, IMDG, IATA** UN1263

- **UN proper shipping name**
- **DOT** Paint
- **IMDG, IATA** PAINT

- **Transport hazard class(es)**

- **DOT**



- **Class** 3 Flammable liquids

(Contd. on page 10)

USA

Safety Data Sheet


acc. to OSHA HCS

Printing date 07/16/2025

Reviewed on 07/16/2025

Trade name: HIT_2417-1 NR J.D. GREEN (ORIGINAL) 2K SS FPC

(Contd. of page 9)

· Label	3
· IMDG, IATA	
	
· Class	3 Flammable liquids
· Label	3
· Packing group	
· DOT, IMDG, IATA	III
· Environmental hazards:	Not applicable.
· Special precautions for user	Warning: Flammable liquids
· Hazard identification number (Kemler code):	30
· EMS Number:	F-E, S-E
· Stowage Category	A
· 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: 60 L On cargo aircraft only: 220 L
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1263 PAINT, 3, III

15 Regulatory information

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

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

1330-20-7	xylene
100-41-4	ethylbenzene
95-47-6	o-xylene
106-42-3	p-xylene
108-38-3	m-xylene
122-99-6	2-phenoxyethanol
7664-38-2	phosphoric acid

(Contd. on page 11)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/16/2025

Reviewed on 07/16/2025

Trade name: HIT_2417-1 NR J.D. GREEN (ORIGINAL) 2K SS FPC

(Contd. of page 10)

· TSCA (Toxic Substances Control Act):		
123-86-4	<i>n</i> -butyl acetate	ACTIVE
110-43-0	heptan-2-one	ACTIVE
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	ACTIVE
61790-51-0	Resin acids and Rosin acids, sodium salts	ACTIVE
1328-53-6	copper phthalocyanine pigment	ACTIVE
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	ACTIVE
13463-67-7	titanium dioxide	ACTIVE
1330-20-7	xylene	ACTIVE
67-64-1	acetone	ACTIVE
79-20-9	methyl acetate	ACTIVE
100-41-4	ethylbenzene	ACTIVE
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidylsebacate	ACTIVE
95-47-6	<i>o</i> -xylene	ACTIVE
106-42-3	<i>p</i> -xylene	ACTIVE
108-38-3	<i>m</i> -xylene	ACTIVE
64742-47-8	Distillates (petroleum), hydrotreated light	ACTIVE
122-99-6	2-phenoxyethanol	ACTIVE
108-65-6	2-methoxy-1-methylethyl acetate	ACTIVE
64742-95-6	Solvent naphtha (petroleum), light arom.	ACTIVE
77-58-7	dibutyltin dilaurate	ACTIVE
7664-38-2	phosphoric acid	ACTIVE
7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE
14808-60-7	Quartz (SiO ₂)	ACTIVE
57-55-6	Propylene glycol	ACTIVE
78-83-1	butanol	ACTIVE

· Hazardous Air Pollutants		
1330-20-7	xylene	
100-41-4	ethylbenzene	
95-47-6	<i>o</i> -xylene	
106-42-3	<i>p</i> -xylene	
108-38-3	<i>m</i> -xylene	

· Proposition 65		
· Chemicals known to cause cancer:		
13463-67-7	titanium dioxide	
100-41-4	ethylbenzene	
14808-60-7	Quartz (SiO ₂)	

· Chemicals known to cause reproductive toxicity for females:		
None of the ingredients is listed.		

· Chemicals known to cause reproductive toxicity for males:		
None of the ingredients is listed.		

· Chemicals known to cause developmental toxicity:		
None of the ingredients is listed.		

(Contd. on page 12)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/16/2025

Reviewed on 07/16/2025

Trade name: HIT_2417-1 NR J.D. GREEN (ORIGINAL) 2K SS FPC

(Contd. of page 11)

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

1330-20-7	xylene	I
67-64-1	acetone	I
100-41-4	ethylbenzene	D
95-47-6	o-xylene	I
106-42-3	p-xylene	I
108-38-3	m-xylene	I

- **TLV (Threshold Limit Value)**

13463-67-7	titanium dioxide	A4
1330-20-7	xylene	A4
67-64-1	acetone	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 (SiO ₂)	A2

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

13463-67-7	titanium dioxide
14808-60-7	Quartz (SiO ₂)

- **GHS label elements**

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

- **Hazard pictograms**



GHS02 GHS07 GHS08

- **Signal word** Warning

- **Hazard-determining components of labeling:**

n-butyl acetate
titanium dioxide
ethylbenzene
bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate

- **Hazard statements**

Flammable liquid and vapor.
May cause an allergic skin reaction.
Suspected of causing cancer. Route of exposure: Inhalation.
May cause drowsiness or dizziness.

- **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.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.

(Contd. on page 13)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/16/2025

Reviewed on 07/16/2025

Trade name: HIT_2417-1 NR J.D. GREEN (ORIGINAL) 2K SS FPC

(Contd. of page 12)

Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area.
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 INHALED: Remove person to fresh air and keep comfortable for breathing.
IF exposed or concerned: Get medical advice/attention.
Call a poison center/doctor if you feel unwell.
Specific treatment (see on this label).
If skin irritation or rash occurs: 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 container tightly closed.
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.

• **Contact:**

• **Date of preparation / last revision** 07/16/2025 / -

• **Abbreviations and acronyms:**

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)

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 3: Flammable liquids – Category 3

Sensitization - Skin 1: Skin sensitisation – Category 1

Carcinogenicity 2: Carcinogenicity – Category 2

Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3

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