



Safety Data Sheet acc. to OSHA HCS

Printing date 02/27/2024

Reviewed on 02/26/2024

1 Identification

- **Product identifier**
- **Trade name:** HFP454C 3.5 VOC TORREDOR RED (FORD FL) B/C
- **Article number:** HFP454C
- **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

Germ Cell Mutagenicity 1B

H340 May cause genetic defects.

Carcinogenicity 1B

H350 May cause cancer.

Specific Target Organ Toxicity - Repeated Exposure 2
H373 May cause damage to the hearing organs through prolonged or repeated exposure.

GHS07

Skin Irritation 2

H315 Causes skin irritation.

Eye Irritation 2A

H319 Causes serious eye irritation.

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 02/27/2024

Reviewed on 02/26/2024

Trade name: HFP454C 3.5 VOC TORREDOR RED (FORD FL) B/C

(Contd. of page 1)

- **Hazard pictograms**



GHS02 GHS07 GHS08

- **Signal word** Danger

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

4-chloro-alpha,alpha,alpha-trifluorotoluene
acetone
ethylbenzene
Solvent naphtha (petroleum), light arom.

- **Hazard statements**

Highly flammable liquid and vapor.
Causes skin irritation.
Causes serious eye irritation.
May cause genetic defects.
May cause cancer.
May cause drowsiness or dizziness.
May cause damage to the hearing organs through prolonged or repeated exposure.

- **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.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
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 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.
Call a poison center/doctor if you feel unwell.
Specific treatment (see on this label).
Get medical advice/attention if you feel unwell.
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
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 = 2
Fire = 3
Reactivity = 0

(Contd. on page 3)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/27/2024

Reviewed on 02/26/2024

Trade name: HFP454C 3.5 VOC TORREDOR RED (FORD FL) B/C

(Contd. of page 2)

· HMIS-ratings (scale 0 - 4)

HEALTH	2	Health = *2
FIRE	3	Fire = 3
REACTIVITY	0	Reactivity = 0

- **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:

98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	25-50%
67-64-1	acetone	10-25%
123-86-4	n-butyl acetate	2.5-10%
1330-20-7	xylene	2.5-10%
110-43-0	heptan-2-one	2.5-10%
100-41-4	ethylbenzene	≤2.5%
119-64-2	1,2,3,4-tetrahydronaphthalene	≤2.5%
64742-95-6	Solvent naphtha (petroleum), light arom.	≤2.5%

4 First-aid measures

- **Description of first aid measures**
- **General information:**
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:** 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. 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**
During heating or in case of fire poisonous gases are produced.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/27/2024

Reviewed on 02/26/2024

Trade name: HFP454C 3.5 VOC TORREDOR RED (FORD FL) B/C

(Contd. of page 3)

- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground 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**

- **PAC-1:**

67-64-1	acetone	200 ppm
123-86-4	n-butyl acetate	5 ppm
1330-20-7	xylene	130 ppm
110-43-0	heptan-2-one	150 ppm
100-41-4	ethylbenzene	33 ppm
71-36-3	butan-1-ol	60 ppm
1309-37-1	diron trioxide	15 mg/m ³
12001-26-2	Mica	9 mg/m ³
119-64-2	1,2,3,4-tetrahydronaphthalene	1.6 ppm
123-42-2	4-hydroxy-4-methylpentan-2-one	150 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
108-38-3	m-xylene	130 ppm
7727-43-7	barium sulphate, natural	15 mg/m ³
108-88-3	toluene	67 ppm
112926-00-8	Precipitated silica (Silica-Amorphous)	18 mg/m ³
122-99-6	2-phenoxyethanol	1.5 ppm
34590-94-8	Dipropylene glycol monomethyl ether	150 ppm
13463-67-7	titanium dioxide	30 mg/m ³
7664-38-2	phosphoric acid	3 mg/m ³
108-83-8	2,6-dimethylheptan-4-one	75 ppm
70657-70-4	2-methoxypropyl acetate	50 ppm
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:**

67-64-1	acetone	3200* ppm
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(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/27/2024

Reviewed on 02/26/2024

Trade name: HFP454C 3.5 VOC TORREDOR RED (FORD FL) B/C

		(Contd. of page 4)
123-86-4	<i>n</i> -butyl acetate	200 ppm
1330-20-7	xylene	920* ppm
110-43-0	heptan-2-one	670 ppm
100-41-4	ethylbenzene	1100* ppm
71-36-3	butan-1-ol	800 ppm
1309-37-1	diiron trioxide	360 mg/m ³
12001-26-2	Mica	99 mg/m ³
119-64-2	1,2,3,4-tetrahydronaphthalene	17 ppm
123-42-2	4-hydroxy-4-methylpentan-2-one	350 ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
108-38-3	<i>m</i> -xylene	920 ppm
7727-43-7	barium sulphate, natural	170 mg/m ³
108-88-3	toluene	560 ppm
112926-00-8	Precipitated silica (Silica-Amorphous)	200 mg/m ³
122-99-6	2-phenoxyethanol	16 ppm
34590-94-8	Dipropylene glycol monomethyl ether	1700* ppm
13463-67-7	titanium dioxide	330 mg/m ³
7664-38-2	phosphoric acid	30 mg/m ³
108-83-8	2,6-dimethylheptan-4-one	330 ppm
70657-70-4	2-methoxypropyl acetate	1,000 ppm
14808-60-7	Quartz (SiO ₂)	33 mg/m ³
57-55-6	Propylene glycol	1,300 mg/m ³
78-83-1	butanol	1,300 ppm

· PAC-3:

67-64-1	acetone	5700* ppm
123-86-4	<i>n</i> -butyl acetate	3000* ppm
1330-20-7	xylene	2500* ppm
110-43-0	heptan-2-one	4000* ppm
100-41-4	ethylbenzene	1800* ppm
71-36-3	butan-1-ol	8000** ppm
1309-37-1	diiron trioxide	2,200 mg/m ³
12001-26-2	Mica	590 mg/m ³
119-64-2	1,2,3,4-tetrahydronaphthalene	100 ppm
123-42-2	4-hydroxy-4-methylpentan-2-one	2100* ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
108-38-3	<i>m</i> -xylene	2500* ppm
7727-43-7	barium sulphate, natural	990 mg/m ³
108-88-3	toluene	3700* ppm
112926-00-8	Precipitated silica (Silica-Amorphous)	1,200 mg/m ³
122-99-6	2-phenoxyethanol	97 ppm
34590-94-8	Dipropylene glycol monomethyl ether	9900** ppm
13463-67-7	titanium dioxide	2,000 mg/m ³
7664-38-2	phosphoric acid	150 mg/m ³

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/27/2024

Reviewed on 02/26/2024

Trade name: HFP454C 3.5 VOC TORREDOR RED (FORD FL) B/C

		(Contd. of page 5)
108-83-8	2,6-dimethylheptan-4-one	2000* ppm
70657-70-4	2-methoxypropyl acetate	5,000 ppm
14808-60-7	Quartz (SiO ₂)	200 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:** 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.
- **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.

67-64-1 acetone

PEL	Long-term value: 2400 mg/m ³ , 1000 ppm
REL	Long-term value: 590 mg/m ³ , 250 ppm
TLV	Short-term value: 500 ppm Long-term value: 250 ppm A4, BEI

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

(Contd. on page 7)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/27/2024

Reviewed on 02/26/2024

Trade name: HFP454C 3.5 VOC TORREDOR RED (FORD FL) B/C

(Contd. of page 6)

1330-20-7 xylene

PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Long-term value: 20 ppm BEI, A4

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:**

67-64-1 acetone

BEI	25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
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1330-20-7 xylene

BEI	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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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)
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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.
- Avoid contact with the eyes and skin.

· **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

(Contd. on page 8)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/27/2024

Reviewed on 02/26/2024

Trade name: HFP454C 3.5 VOC TORREDOR RED (FORD FL) B/C

(Contd. of page 7)

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

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Liquid
Color:	Red
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:	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.

- **Explosion limits:**

Lower:	2.6 Vol %
Upper:	13 Vol %

- **Vapor pressure at 20 °C (68 °F):** 233 hPa (174.8 mm Hg)

- **Vapor pressure at 50 °C (122 °F):** 800 hPa (600 mm Hg)

- **Density at 20 °C (68 °F):** 1.1618 g/cm³ (9.6952 lbs/gal)

- **Relative density** Not determined.

- **Vapor density** Not determined.

(Contd. on page 9)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/27/2024

Reviewed on 02/26/2024

Trade name: HFP454C 3.5 VOC TORREDOR RED (FORD FL) B/C

(Contd. of page 8)

· 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:	28.6 %
VOC content:	17.77 %
	372.4 g/l / 3.11 lb/gal
· Solids content:	31.4 %
· 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:**
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
The product can cause inheritable damage.
- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)		
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	2B
1330-20-7	xylene	3
100-41-4	ethylbenzene	2B
1309-37-1	diiron trioxide	3
95-47-6	o-xylene	3
106-42-3	p-xylene	3

(Contd. on page 10)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/27/2024

Reviewed on 02/26/2024

Trade name: HFP454C 3.5 VOC TORREDOR RED (FORD FL) B/C

(Contd. of page 9)

108-38-3	m-xylene	3
108-88-3	toluene	3
112926-00-8	Precipitated silica (Silica-Amorphous)	3
13463-67-7	titanium dioxide	2B
14808-60-7	Quartz (SiO ₂)	1

· **NTP (National Toxicology Program)**

14808-60-7	Quartz (SiO ₂)	K
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· **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:**
 Water hazard class 1 (Self-assessment): slightly hazardous for water
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **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 |

(Contd. on page 11)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/27/2024

Reviewed on 02/26/2024

Trade name: HFP454C 3.5 VOC TORREDOR RED (FORD FL) B/C

(Contd. of page 10)

· **Transport hazard class(es)**· **DOT**· **Class**

3 Flammable liquids

· **Label**

3

· **IMDG, IATA**· **Class**

3 Flammable liquids

· **Label**

3

· **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**

B

· **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**
 · **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

(Contd. on page 12)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/27/2024

Reviewed on 02/26/2024

Trade name: HFP454C 3.5 VOC TORREDOR RED (FORD FL) B/C

(Contd. of page 11)

71-36-3	butan-1-ol
95-47-6	o-xylene
106-42-3	p-xylene
108-38-3	m-xylene
7727-43-7	barium sulphate, natural
108-88-3	toluene
122-99-6	2-phenoxyethanol
7664-38-2	phosphoric acid

TSCA (Toxic Substances Control Act):

98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	ACTIVE
67-64-1	acetone	ACTIVE
123-86-4	n-butyl acetate	ACTIVE
9004-36-8	Cellulose Acetate Butyrate	ACTIVE
1330-20-7	xylene	ACTIVE
110-43-0	heptan-2-one	ACTIVE
100-41-4	ethylbenzene	ACTIVE
71-36-3	butan-1-ol	ACTIVE
5521-31-3	Pigment Red 179	ACTIVE
1309-37-1	diiron trioxide	ACTIVE
	DPP Red C.I Pigment 254	ACTIVE
119-64-2	1,2,3,4-tetrahydronaphthalene	ACTIVE
123-42-2	4-hydroxy-4-methylpentan-2-one	ACTIVE
64742-95-6	Solvent naphtha (petroleum), light arom.	ACTIVE
108-65-6	2-methoxy-1-methylethyl acetate	ACTIVE
95-47-6	o-xylene	ACTIVE
106-42-3	p-xylene	ACTIVE
108-38-3	m-xylene	ACTIVE
64742-47-8	Distillates (petroleum), hydrotreated light	ACTIVE
7727-43-7	barium sulphate, natural	ACTIVE
108-88-3	toluene	ACTIVE
122-99-6	2-phenoxyethanol	ACTIVE
34590-94-8	Dipropylene glycol monomethyl ether	ACTIVE
13463-67-7	titanium dioxide	ACTIVE
7664-38-2	phosphoric acid	ACTIVE
108-83-8	2,6-dimethylheptan-4-one	ACTIVE
8002-74-2	Paraffin waxes and Hydrocarbon waxes	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	o-xylene

(Contd. on page 13)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/27/2024

Reviewed on 02/26/2024

Trade name: HFP454C 3.5 VOC TORREDOR RED (FORD FL) B/C

(Contd. of page 12)

106-42-3	<i>p</i> -xylene
108-38-3	<i>m</i> -xylene
108-88-3	toluene

· **Proposition 65**

· **Chemicals known to cause cancer:**

98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene
100-41-4	ethylbenzene
13463-67-7	titanium dioxide
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:**

108-88-3	toluene
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· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

67-64-1	acetone	I
1330-20-7	xylene	I
100-41-4	ethylbenzene	D
71-36-3	butan-1-ol	D
95-47-6	<i>o</i> -xylene	I
106-42-3	<i>p</i> -xylene	I
108-38-3	<i>m</i> -xylene	I
7727-43-7	barium sulphate, natural	D, CBD(inh), NL(oral)
108-88-3	toluene	II

· **TLV (Threshold Limit Value)**

67-64-1	acetone	A4
1330-20-7	xylene	A4
100-41-4	ethylbenzene	A3
1309-37-1	diiron trioxide	A4
95-47-6	<i>o</i> -xylene	A4
106-42-3	<i>p</i> -xylene	A4
108-38-3	<i>m</i> -xylene	A4
108-88-3	toluene	A4
13463-67-7	titanium dioxide	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).

(Contd. on page 14)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/27/2024

Reviewed on 02/26/2024

Trade name: HFP454C 3.5 VOC TORREDOR RED (FORD FL) B/C

(Contd. of page 13)

- **Hazard pictograms**



GHS02 GHS07 GHS08

- **Signal word** Danger

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

4-chloro-alpha,alpha,alpha-trifluorotoluene
acetone
ethylbenzene
Solvent naphtha (petroleum), light arom.

- **Hazard statements**

Highly flammable liquid and vapor.
Causes skin irritation.
Causes serious eye irritation.
May cause genetic defects.
May cause cancer.
May cause drowsiness or dizziness.
May cause damage to the hearing organs through prolonged or repeated exposure.

- **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.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
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 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.
Call a poison center/doctor if you feel unwell.
Specific treatment (see on this label).
Get medical advice/attention if you feel unwell.
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
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.

- **National regulations:**

- **Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

(Contd. on page 15)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/27/2024

Reviewed on 02/26/2024

Trade name: HFP454C 3.5 VOC TORREDOR RED (FORD FL) B/C

(Contd. of page 14)

· **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 acronyms:**

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)

VOC: Volatile Organic Compounds (USA, EU)

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

Skin Irritation 2: Skin corrosion/irritation – Category 2

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

Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B

Carcinogenicity 1B: Carcinogenicity – Category 1B

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

Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2

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

USA