

Safety Data Sheet acc. to OSHA HCS

Printing date 04/02/2024

Reviewed on 04/02/2024

1 Identification

- **Product identifier**
- **Trade name:** HB503 HYDRABOND TOYOTA SILVER BASECOAT
- **Article number:** HB503
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
BHG Import Exports Inc.
715 N Central Ave. Suite 213
Glendale CA 91203
United States
- **Information department:** Product safety department
- **Emergency telephone number:**
FOR USA AND CANADA: 1-800 424- 9300
OUTSIDE USA AND CANADA: +1 703 -527- 3887
CHEMTREC CONTRACT 628320

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids 2

Substances and mixtures which, in contact with water, emit flammable gases 2

H225 Highly flammable liquid and vapor.

H261 In contact with water releases flammable gas.



GHS08 Health hazard

Carcinogenicity 2

Toxic to Reproduction 2

Specific Target Organ Toxicity - Repeated Exposure 2

H351 Suspected of causing cancer.

H361 Suspected of damaging fertility or the unborn child.

H373 May cause damage to the hearing organs through prolonged or repeated exposure.



GHS07

Skin Irritation 2

Eye Irritation 2A

Specific Target Organ Toxicity - Single Exposure 3

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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 04/02/2024

Reviewed on 04/02/2024

Trade name: HB503 HYDRABOND TOYOTA SILVER BASECOAT

(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
toluene

· Hazard statements

Highly flammable liquid and vapor.
In contact with water releases flammable gas.
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 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.
Do not allow contact with water.
Handle under inert gas. Protect from moisture.
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.
Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use CO₂, sand, extinguishing powder to extinguish.
Store in a dry place. Store in a closed container.
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.

(Contd. on page 3)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/02/2024

Reviewed on 04/02/2024

Trade name: HB503 HYDRABOND TOYOTA SILVER BASECOAT

(Contd. of page 2)

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 2
Fire = 3
Reactivity = 2

The substance demonstrates unusual reactivity with water.

- **HMIS-ratings (scale 0 - 4)**



Health = *2
Fire = 3
Reactivity = 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:**

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%
7429-90-5	aluminium	2.5-10%
100-41-4	ethylbenzene	≤2.5%
71-36-3	butan-1-ol	≤2.5%
119-64-2	1,2,3,4-tetrahydronaphthalene	≤2.5%
108-88-3	toluene	≤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.

(Contd. on page 4)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/02/2024

Reviewed on 04/02/2024

Trade name: HB503 HYDRABOND TOYOTA SILVER BASECOAT

(Contd. of page 3)

- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Extinguishing powder. Do not use water.
CO₂. Do not use water.
Sand. Do not use water.
Special powder for metal fires. Do not use water.
CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water
- **Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- **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.
Do not flush with water or aqueous cleansing agents
- **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
100-41-4	ethylbenzene	33 ppm
71-36-3	butan-1-ol	60 ppm
110-43-0	heptan-2-one	150 ppm
119-64-2	1,2,3,4-tetrahydronaphthalene	1.6 ppm
108-88-3	toluene	67 ppm
123-42-2	4-hydroxy-4-methylpentan-2-one	150 ppm
112926-00-8	Precipitated silica (Silica-Amorphous)	18 mg/m ³
95-63-6	1,2,4-trimethylbenzene	140 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm

(Contd. on page 5)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/02/2024

Reviewed on 04/02/2024

Trade name: HB503 HYDRABOND TOYOTA SILVER BASECOAT

(Contd. of page 4)

64-17-5	ethanol	1,800 ppm
67-56-1	methanol	530 ppm
122-99-6	2-phenoxyethanol	1.5 ppm
7664-38-2	phosphoric acid	3 mg/m ³
1333-86-4	Carbon black	9 mg/m ³
108-38-3	m-xylene	130 ppm
34590-94-8	Dipropylene glycol monomethyl ether	150 ppm
67-63-0	propan-2-ol	400 ppm
108-83-8	2,6-dimethylheptan-4-one	75 ppm
7440-50-8	copper	3 mg/m ³
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
123-86-4	n-butyl acetate	200 ppm
1330-20-7	xylene	920* ppm
100-41-4	ethylbenzene	1100* ppm
71-36-3	butan-1-ol	800 ppm
110-43-0	heptan-2-one	670 ppm
119-64-2	1,2,3,4-tetrahydronaphthalene	17 ppm
108-88-3	toluene	560 ppm
123-42-2	4-hydroxy-4-methylpentan-2-one	350 ppm
112926-00-8	Precipitated silica (Silica-Amorphous)	200 mg/m ³
95-63-6	1,2,4-trimethylbenzene	360 ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
64-17-5	ethanol	3300* ppm
67-56-1	methanol	2,100 ppm
122-99-6	2-phenoxyethanol	16 ppm
7664-38-2	phosphoric acid	30 mg/m ³
1333-86-4	Carbon black	99 mg/m ³
108-38-3	m-xylene	920 ppm
34590-94-8	Dipropylene glycol monomethyl ether	1700* ppm
67-63-0	propan-2-ol	2000* ppm
108-83-8	2,6-dimethylheptan-4-one	330 ppm
7440-50-8	copper	33 mg/m ³
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
---------	---------	-----------

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/02/2024

Reviewed on 04/02/2024

Trade name: **HB503 HYDRABOND TOYOTA SILVER BASECOAT**

(Contd. of page 5)

123-86-4	<i>n</i> -butyl acetate	3000* ppm
1330-20-7	xylene	2500* ppm
100-41-4	ethylbenzene	1800* ppm
71-36-3	butan-1-ol	8000** ppm
110-43-0	heptan-2-one	4000* ppm
119-64-2	1,2,3,4-tetrahydronaphthalene	100 ppm
108-88-3	toluene	3700* ppm
123-42-2	4-hydroxy-4-methylpentan-2-one	2100* ppm
112926-00-8	Precipitated silica (Silica-Amorphous)	1,200 mg/m ³
95-63-6	1,2,4-trimethylbenzene	480 ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
64-17-5	ethanol	15000* ppm
67-56-1	methanol	7200* ppm
122-99-6	2-phenoxyethanol	97 ppm
7664-38-2	phosphoric acid	150 mg/m ³
1333-86-4	Carbon black	590 mg/m ³
108-38-3	<i>m</i> -xylene	2500* ppm
34590-94-8	Dipropylene glycol monomethyl ether	9900** ppm
67-63-0	propan-2-ol	12000** ppm
108-83-8	2,6-dimethylheptan-4-one	2000* ppm
7440-50-8	copper	200 mg/m ³
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.

(Contd. on page 7)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/02/2024

Reviewed on 04/02/2024

Trade name: HB503 HYDRABOND TOYOTA SILVER BASECOAT

(Contd. of page 6)

· **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/m³, 1000 ppmREL Long-term value: 590 mg/m³, 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/m³, 150 ppmREL Short-term value: 950 mg/m³, 200 ppmLong-term value: 710 mg/m³, 150 ppm

TLV Short-term value: 150 ppm

Long-term value: 50 ppm

1330-20-7 xylene

PEL Long-term value: 435 mg/m³, 100 ppmREL Short-term value: 655 mg/m³, 150 ppmLong-term value: 435 mg/m³, 100 ppm

TLV Long-term value: 20 ppm

BEI, A4

100-41-4 ethylbenzene

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

TLV Long-term value: 20 ppm

OTO, BEI, A3

71-36-3 butan-1-ol

PEL Long-term value: 300 mg/m³, 100 ppmREL Ceiling limit value: 150 mg/m³, 50 ppm
Skin

TLV Long-term value: 20 ppm

108-88-3 toluene

PEL Long-term value: 200 ppm

Ceiling limit value: 300; 500* ppm

*10-min peak per 8-hr shift

REL Short-term value: 560 mg/m³, 150 ppmLong-term value: 375 mg/m³, 100 ppm

TLV Long-term value: 20 ppm

BEI, OTO, A4

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/02/2024

Reviewed on 04/02/2024

Trade name: HB503 HYDRABOND TOYOTA SILVER BASECOAT

(Contd. of page 7)

Ingredients with biological limit values:

67-64-1 acetone

BEI 25 mg/L
 Medium: urine
 Time: end of shift
 Parameter: Acetone (nonspecific)

1330-20-7 xylene

BEI 1.5 g/g creatinine
 Medium: urine
 Time: end of shift
 Parameter: Methylhippuric acids

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)

108-88-3 toluene

BEI 0.02 mg/L
 Medium: blood
 Time: prior to last shift of workweek
 Parameter: Toluene

0.03 mg/L
 Medium: urine
 Time: end of shift
 Parameter: Toluene

0.3 mg/g creatinine
 Medium: urine
 Time: end of shift
 Parameter: o-Cresol with hydrolysis (background)

· **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

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

(Contd. on page 9)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/02/2024

Reviewed on 04/02/2024

Trade name: HB503 HYDRABOND TOYOTA SILVER BASECOAT

(Contd. of page 8)

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:

Silver

· **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.

Contact with water liberates extremely flammable gases.

· **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):**

1.1718 g/cm³ (9.7787 lbs/gal)

· **Relative density**

Not determined.

· **Vapor density**

Not determined.

(Contd. on page 10)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/02/2024

Reviewed on 04/02/2024

Trade name: HB503 HYDRABOND TOYOTA SILVER BASECOAT

(Contd. of page 9)

· 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:	27.6 %
VOC content:	15.07 %
	358.8 g/l / 2.99 lb/gal
· Solids content:	26.9 %
· 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** Contact with water releases flammable gases.
- **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

- **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
108-88-3	toluene	3
112926-00-8	Precipitated silica (Silica-Amorphous)	3
64-17-5	ethanol	1
1333-86-4	Carbon black	2B

(Contd. on page 11)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/02/2024

Reviewed on 04/02/2024

Trade name: HB503 HYDRABOND TOYOTA SILVER BASECOAT

(Contd. of page 10)

95-47-6	o-xylene	3
106-42-3	p-xylene	3
108-38-3	m-xylene	3
67-63-0	propan-2-ol	3
14808-60-7	Quartz (SiO ₂)	1

· **NTP (National Toxicology Program)**

14808-60-7	Quartz (SiO ₂)	K
------------	----------------------------	---

· **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** UN3148
- **UN proper shipping name**
- **DOT** Water-reactive liquid, n.o.s. (Aluminum powder)
- **IMDG, IATA** WATER-REACTIVE LIQUID, N.O.S. (ALUMINIUM POWDER)

(Contd. on page 12)

-USA-

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/02/2024

Reviewed on 04/02/2024

Trade name: HB503 HYDRABOND TOYOTA SILVER BASECOAT

(Contd. of page 11)

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

4.3 Substances which, in contact with water, emit flammable gases

· **Label**

4.3

· **IMDG, IATA**· **Class**

4.3 Substances which, in contact with water, emit flammable gases

· **Label**

4.3

· **Packing group**· **DOT, IMDG, IATA**

II

· **Environmental hazards:**

Not applicable.

· **Special precautions for user**

Warning: Substances which, in contact with water, emit flammable gases

· **Hazard identification number (Kemler code):** 429· **EMS Number:**

F-G,S-N

· **Segregation groups**

(SGG15) Powdered metals

· **Stowage Category**

E

· **Stowage Code**

SW2 Clear of living quarters.

· **Handling Code**

H1 Keep as dry as reasonably practicable

· **Segregation Code**

SG26 In addition: from goods of classes 2.1 and 3 when stowed on deck of a containership a minimum distance of two container spaces athwartship shall be maintained, when stowed on ro-ro ships a distance of 6 m athwartship shall be maintained.

· **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: 1 L

On cargo aircraft only: 5 L

· **IMDG**· **Limited quantities (LQ)**

500 ml

· **Excepted quantities (EQ)**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

(Contd. on page 13)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/02/2024

Reviewed on 04/02/2024

Trade name: HB503 HYDRABOND TOYOTA SILVER BASECOAT

(Contd. of page 12)

· UN "Model Regulation":

UN 3148 WATER-REACTIVE LIQUID, N.O.S.
(ALUMINIUM POWDER), 4.3, II

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
7429-90-5	aluminium
100-41-4	ethylbenzene
71-36-3	butan-1-ol
108-88-3	toluene
95-63-6	1,2,4-trimethylbenzene
67-56-1	methanol
122-99-6	2-phenoxyethanol
7664-38-2	phosphoric acid
95-47-6	o-xylene
106-42-3	p-xylene
108-38-3	m-xylene
67-63-0	propan-2-ol
7440-50-8	copper

· **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
7429-90-5	aluminium	ACTIVE
100-41-4	ethylbenzene	ACTIVE
71-36-3	butan-1-ol	ACTIVE
64742-47-8	Distillates (petroleum), hydrotreated light	ACTIVE
110-43-0	heptan-2-one	ACTIVE
119-64-2	1,2,3,4-tetrahydronaphthalene	ACTIVE
108-88-3	toluene	ACTIVE
123-42-2	4-hydroxy-4-methylpentan-2-one	ACTIVE
95-63-6	1,2,4-trimethylbenzene	ACTIVE
51274-00-1	ALPHA-IRON(III) OXIDE	ACTIVE
64742-95-6	Solvent naphtha (petroleum), light arom.	ACTIVE
108-65-6	2-methoxy-1-methylethyl acetate	ACTIVE

(Contd. on page 14)

-USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/02/2024

Reviewed on 04/02/2024

Trade name: HB503 HYDRABOND TOYOTA SILVER BASECOAT

(Contd. of page 13)

64-17-5	ethanol	ACTIVE
67-56-1	methanol	ACTIVE
122-99-6	2-phenoxyethanol	ACTIVE
7664-38-2	phosphoric acid	ACTIVE
1333-86-4	Carbon black	ACTIVE
8002-74-2	Paraffin waxes and Hydrocarbon waxes	ACTIVE
95-47-6	o-xylene	ACTIVE
106-42-3	p-xylene	ACTIVE
108-38-3	m-xylene	ACTIVE
34590-94-8	Dipropylene glycol monomethyl ether	ACTIVE
67-63-0	propan-2-ol	ACTIVE
108-83-8	2,6-dimethylheptan-4-one	ACTIVE
7440-50-8	copper	ACTIVE

· Hazardous Air Pollutants

1330-20-7	xylene
100-41-4	ethylbenzene
108-88-3	toluene
67-56-1	methanol
95-47-6	o-xylene
106-42-3	p-xylene
108-38-3	m-xylene

· Proposition 65
· Chemicals known to cause cancer:

98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene
100-41-4	ethylbenzene
1333-86-4	Carbon black
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
64-17-5	ethanol
67-56-1	methanol

· 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
108-88-3	toluene	II
95-63-6	1,2,4-trimethylbenzene	II

(Contd. on page 15)

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/02/2024

Reviewed on 04/02/2024

Trade name: **HB503 HYDRABOND TOYOTA SILVER BASECOAT**

(Contd. of page 14)

95-47-6	o-xylene	I
106-42-3	p-xylene	I
108-38-3	m-xylene	I
7440-50-8	copper	D

· **TLV (Threshold Limit Value)**

67-64-1	acetone	A4
1330-20-7	xylene	A4
7429-90-5	aluminium	A4
100-41-4	ethylbenzene	A3
108-88-3	toluene	A4
64-17-5	ethanol	A3
1333-86-4	Carbon black	A4
95-47-6	o-xylene	A4
106-42-3	p-xylene	A4
108-38-3	m-xylene	A4
67-63-0	propan-2-ol	A4
14808-60-7	Quartz (SiO ₂)	A2

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

1333-86-4	Carbon black
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** Danger· **Hazard-determining components of labeling:**

4-chloro-alpha,alpha,alpha-trifluorotoluene

acetone

ethylbenzene

toluene

· **Hazard statements**

Highly flammable liquid and vapor.

In contact with water releases flammable gas.

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 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.

Do not allow contact with water.

(Contd. on page 16)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/02/2024

Reviewed on 04/02/2024

Trade name: **HB503 HYDRABOND TOYOTA SILVER BASECOAT**

(Contd. of page 15)

Handle under inert gas. Protect from moisture.
 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.
 Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.
 If eye irritation persists: Get medical advice/attention.
 In case of fire: Use CO₂, sand, extinguishing powder to extinguish.
 Store in a dry place. Store in a closed container.
 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.

- **Department issuing SDS:** Environment protection department.
- **Contact:** Product Safety Dept.
- **Date of preparation / last revision** 04/02/2024 / -
- **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)

HMS: 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

Substances and mixtures which, in contact with water, emit flammable gases 2: Substances and mixtures which in contact with water emit flammable gases – Category 2

Skin Irritation 2: Skin corrosion/irritation – Category 2

(Contd. on page 17)

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/02/2024

Reviewed on 04/02/2024

Trade name: HB503 HYDRABOND TOYOTA SILVER BASECOAT

(Contd. of page 16)

*Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A**Carcinogenicity 2: Carcinogenicity – Category 2**Toxic to Reproduction 2: Reproductive toxicity – Category 2**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*

USA