

1 Identification

- **Product identifier**
- **Trade name:** Tekton 44
- **Application of the substance / the mixture** Anticorrosion additive
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Chemicar USA
670 New York Street
Memphis, TN 38104
Tel: 1 (800) 261-7976
Fax: 1 (901) 274-8816
Email: Gino.Bauwens@chemicar.com
- **Information department:** Product safety department.
- **Emergency telephone number:** Telephone: 1 (800) 424-9300

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02

Flammable Liquids 2

Highly flammable liquid and vapor.



GHS09

Aquatic Chronic 2

Toxic to aquatic life with long lasting effects.



GHS07

Specific Target Organ Toxicity - Single Exposure 3

May cause drowsiness or dizziness.

Aquatic Acute 2

Toxic to aquatic life.

- **Label elements**

- **GHS label elements**

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

- **Hazard pictograms**



GHS02

GHS07

GHS09

- **Signal word** Danger

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

Naphtha (petroleum), hydrotreated light

C9-aromatics

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- **Hazard statements**

H225 Highly flammable liquid and vapor.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

- **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P243 Take precautionary measures against static discharge.
 P280 Wear protective gloves / eye protection / face protection.
 P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P501 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

- **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 additions.

- **Dangerous components:**

CAS: 64742-49-0 EC number: 920-750-0	Naphtha (petroleum), hydrotreated light	25-<50%
CAS: 128601-23-0 EC number: 918-668-5	C9-aromatics	3-<5%
CAS: 108-32-7 EINECS: 203-572-1	Propylene carbonate	1-<3%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

- **Description of first aid measures**

- **General information:** Immediately remove any clothing soiled by the product.

- **After skin contact:**

Immediately rinse with water.
 If skin irritation continues, consult a doctor.

- **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.

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- **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.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Mount respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Prevent seepage into sewage system, workpits and cellars.
Inform respective authorities in case of seepage into water course or sewage system.
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:**

CAS: 8052-42-4	Asphalt	30 mg/m ³
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	1,000 mg/m ³
CAS: 108-32-7	Propylene carbonate	34 mg/m ³
CAS: 98-82-8	isopropylbenzene	50 ppm
CAS: 14808-60-7	Quartz (SiO ₂)	0.075 mg/m ³

- **PAC-2:**

CAS: 8052-42-4	Asphalt	330 mg/m ³
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	11,000 mg/m ³
CAS: 108-32-7	Propylene carbonate	370 mg/m ³
CAS: 98-82-8	isopropylbenzene	300 ppm
CAS: 14808-60-7	Quartz (SiO ₂)	8.3 mg/m ³

- **PAC-3:**

CAS: 8052-42-4	Asphalt	2,000 mg/m ³
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	66,000 mg/m ³
CAS: 108-32-7	Propylene carbonate	2,200 mg/m ³

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CAS: 98-82-8	isopropylbenzene	(Contd. of page 3) 730 ppm
CAS: 14808-60-7	Quartz (SiO ₂)	50 mg/m ³

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Use only in well ventilated areas.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **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 product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
- **Breathing equipment:**



Filter A

- **Protection of hands:**
Not required.
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.

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Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.12 mm

- **Penetration time of glove material**

> 480 min.

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

- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Use protective suit.

9 Physical and chemical properties

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

- **General Information**

- **Appearance:**

Form:	Fluid
Color:	Black
Odor:	Characteristic
Odor threshold:	Not determined.

- **pH-value:** Mixture is non-soluble (in water).

- **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	106-140 °C

- **Flash point:** 6 °C (DIN 53213)

- **Flammability (solid, gaseous):** Highly flammable.

- **Auto igniting:** >200 °C

- **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:	0.9 Vol %
Upper:	7 Vol %

- **Vapor pressure at 20 °C:** 20 hPa

- **Vapour pressure at 50 °C:** 111 hPa

- **Vapor pressure at 50 °C:** 120 hPa

- **Density at 20 °C:** 1.09 g/cm³ (DIN 51757)

- **Relative density** Not determined.

- **Vapor density** Not determined.

- **Evaporation rate** Not determined.

- **Solubility in / Miscibility with**

- **Water:** Not miscible or difficult to mix.

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- **Partition coefficient (n-octanol/water):** Not determined.

- **Viscosity:**

- Dynamic at 20 °C: 4,500 mPas

- Kinematic at 40 °C: >20.5 mm²/s

- **Solvent content:**

- Organic solvents: 35.3 %

- Water: 0.0 %

- VOC content: 34.21 %

- Solids content: 65.7 % (DIN 53216)

- **Other information**

- VOC (EU): 35.29 %

- VOC (EU): 384.6 g/l

- VOC (US): 372.9 g/l / 3.11 lb/gal

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:** Carbon monoxide

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

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

CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light

Oral	LD50	>5,000 mg/kg (RAT)
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Dermal	LD50	>2,800 mg/kg (RABBIT)
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Inhalative	LC 50	>23.3 mg/l (RAT)
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CAS: 128601-23-0 C9-aromatics

Oral	LD50	5,558-7,093 mg/kg (rat)
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Dermal	LD50	2,000-3,160 mg/kg (rabbit)
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CAS: 108-32-7 Propylene carbonate

Oral	LD50	33,520 mg/kg (RAT)
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Dermal	LD50	>2,000 mg/kg (RABBIT)
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	LC50/96 h	>1,000 mg/l (CYPRINUS CARPIO)
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- **Primary irritant effect:**

- **on the skin:** No irritant effect.

- **on the eye:** No irritating effect.

- **Sensitization:** No sensitizing effects known.

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- **Additional toxicological information:** No further relevant information available.

- **Carcinogenic categories**

- **NTP (National Toxicology Program)**

isopropylbenzene	R	<1%
Quartz (SiO ₂)	K	<1%

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light

LL50/96 h >13.4 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)

EL50/48 h 3 mg/l (DAPHNIA MAGNA)

EL50/72 h 10-30 mg/l (SELENASTRUM CAPRICORNUTUM)

CAS: 108-32-7 Propylene carbonate

EC50/48 h >1,000 mg/l (DAPHNIA MAGNA)

- **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.

- **Ecotoxicological effects:**

- **Remark:** Toxic for fish

- **Additional ecological information:**

- **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

- **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.

Dispose of as dangerous waste.







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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· UN-Number	
· DOT, ADR/RID/ADN, IMDG, IATA	UN1139
· UN proper shipping name	
· DOT	Coating solution
· ADR/RID/ADN	1139 COATING SOLUTION, ENVIRONMENTALLY HAZARDOUS
· IMDG	COATING SOLUTION, MARINE POLLUTANT
· IATA	COATING SOLUTION
· Transport hazard class(es)	
· DOT	
	
· Class	3 Flammable liquids
· Label	3
· ADR/RID/ADN	
	 
· Class	3 (F1) Flammable liquids
· Label	3
· IMDG	
	 
· Class	3 Flammable liquids
· Label	3
· IATA	
	
· Class	3 Flammable liquids
· Label	3
· Packing group	
· DOT, ADR/RID/ADN, IMDG, IATA	II

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· Environmental hazards:	Product contains environmentally hazardous substances: Naphtha (petroleum), hydrotreated light
· Marine pollutant:	Yes
· Special marking (ADR/RID/ADN):	Symbol (fish and tree) Symbol (fish and tree)
· Special precautions for user	
· Hazard identification number (Kemler code):	33
· EMS Number:	F-E, <u>S-E</u>
· Stowage Category	B
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	Transport classification ADR/IMDG is based on packaging >450 ltr. Different classifications may apply for other packaging units.
· DOT	
· Quantity limitations	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
· ADR/RID/ADN	
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· 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 1139 COATING SOLUTION, 3, II, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· Section 355 (extremely hazardous substances):

None of the ingredient is listed.

· Section 313 (Specific toxic chemical listings):

isopropylbenzene <1%

- **TSCA (Toxic Substances Control Act):** All ingredients are listed.

· Hazardous Air Pollutants

CAS: 98-82-8 | isopropylbenzene

· Proposition 65

· Chemicals known to cause cancer:

isopropylbenzene <1%

Quartz (SiO₂) <1%

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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.

Carcinogenicity categories
EPA (Environmental Protection Agency)

isopropylbenzene	D, CBD	<1%
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TLV (Threshold Limit Value)

Asphalt	A4	25-<50%
Quartz (SiO ₂)	A2	<1%

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

Asphalt	25-<50%
Quartz (SiO ₂)	<1%

GHS label elements

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

Hazard pictograms


GHS02 GHS07 GHS09

Signal word Danger

Hazard-determining components of labeling:
Naphtha (petroleum), hydrotreated light
C9-aromatics
Hazard statements
H225 Highly flammable liquid and vapor.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P243 Take precautionary measures against static discharge.
 P280 Wear protective gloves / eye protection / face protection.
 P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

National regulations:

- Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- Chemical safety assessment:** A Chemical Safety Assessment has 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:** Product safety department.

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- **Contact:** Gino.Bauwens@chemicar.com
- **Date of preparation / last revision** 08/23/2024 / 28
- **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)
 - 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
 - Flammable Liquids 2: Flammable liquids – Category 2
 - Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3
 - Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2
 - Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- *** Data compared to the previous version altered.**

US