



C.T.S. S.R.L.
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Safety Data Sheet

Compliant with Annex II of REACH – Regulation (EU) 2020/878

SECTION 1. Identification of the substance/mixture and of the company/undertaking

REGAL DAMMAR VARNISH

Revision: 1

Revision date: 14/04/2021

Printed on: 26/05/2021

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1.1. Product identifier

Product name : **REGAL DAMMAR VARNISH**

Product code : 60000084

1.2. Relevant identified uses of the substance or mixture and uses advised against

Description/use: Picture gloss varnish

1.3. Details of the supplier of the safety data sheet

Company: C.T.S. S.r.l.
Via Piave, 20/22
36077 – Altavilla Vicentina (VI)
Italy

Telephone/Fax: + 39 0444 349088 / +39 0444 349039

E-mail of the competent person,
responsible for the sds: sales.ctsitaly@ctseurope.com

1.4. Emergency telephone number

C.T.S. S.r.l.: +39 0444 349088 (Orario ufficio)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS02, GHS07

Hazard Class and Category Code(s):

Flam. Liq. 2, Eye Irrit. 2, STOT SE 3, Aquatic Chronic 3

Hazard statement Code(s):

H225 - Highly flammable liquid and vapour.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

H412 - Harmful to aquatic life with long lasting effects.



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SECTION 2. Hazards identification.../>>>

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The product easily inflames if subordinate to an ignition source.
If brought into contact with eyes, the product causes significant irritations which may last for more than 24 hours. Warning: Vapours inhalation may cause sleepiness and giddiness
The product is dangerous to the environment as it is harmful to aquatic life with long lasting effects

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram:



GHS02, GHS07

Hazard statement Code(s):

H225 - Highly flammable liquid and vapour.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H412 - Harmful to aquatic life with long lasting effects.

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:

Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P273 - Avoid release to the environment.

Response

P337+P313 - If eye irritation persists: Get medical advice/attention.

Storage

P403+P235 - Store in a well-ventilated place. Keep cool.

Contains:

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics, propan-2-ol

Content of VOC ready to use condition: 60,00 %

2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII No information on other hazards

SECTION 3. Composition/information on ingredients

3.1 Substances

Irrelevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements



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SECTION 3. Composition/information on ingredients.../>>

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	>= 30 < 50%	Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336; Aquatic Chronic 3, H412	ND	ND	927-241-2	01-2119471 843-32-XXX X
propan-2-ol	>= 20 < 30%	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	603-117-00-0	67-63-0	200-661-7	01-2119457 558-25-XXX X

SECTION 4. First aid measures

4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Take contaminated clothing Immediately off.

Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Ingestion:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

If eye irritation persists: Get medical advice/attention.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:

CO2 or dry powder extinguisher

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.



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SECTION 5. Firefighting measures.../>>>

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5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Wear gloves and protective clothing

6.1.2 For emergency responders:

Wear gloves and protective clothing

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.

Discharge the remains in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information



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SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapours
Do not smoke at work
At work do not eat or drink.
Wear protective gloves/protective clothing/eye protection/face protection.
See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabelled containers.
Keep containers upright and safe by avoiding the possibility of falls or collisions.
Store in a cool place, away from sources of heat and direct exposure of sunlight.
Keep containers tightly closed.
Always store in well ventilated areas.
Never close the container tightly, leave a chance to vent
Keep away from open flames, sparks and heat sources. Avoid direct sunlight exposure.

7.3. Specific end use(s)

Formulation [mixing] of preparations and/or re-packaging:
Handle with care.
Store in a ventilated place away from heat sources,
Keep container tightly closed.
Industrial Manufacturing:
Handle with extreme caution.
Store in a well ventilated place away from heat sources.
Manufacture of textiles, leather, fur:
Handle with care.
Store in a ventilated place away from heat sources,
Keep container tightly closed.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Related to contained substances:

propan-2-ol:

TLV: 200 ppm as TWA 400 ppm as STEL A4 (not classifiable as a human carcinogen); (ACGIH 2004).

MAK: 200 ppm 500 mg / m³ Peak limitation category: II (2); Pregnancy risk group: C; (DFG 2004).

- Substance: Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

DNEL

Systemic effects Long term Workers inhalation = 871 (mg/m³)

Systemic effects Long term Workers dermal = 77 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 185 (mg/m³)

Systemic effects Long term Consumers dermal = 46 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 46 (mg/kg bw/day)

- Substance: propan-2-ol

DNEL

Systemic effects Long term Workers inhalation = 500 (mg/m³)

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SECTION 8. Exposure controls/personal protection.../>>>

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Systemic effects Long term Workers dermal = 888 (mg/kg bw/day)
 Systemic effects Long term Consumers inhalation = 89 (mg/m3)
 Systemic effects Long term Consumers dermal = 319 (mg/kg bw/day)
 Systemic effects Long term Consumers oral = 26 (mg/kg bw/day)
 PNEC
 Sweet water = 140,9 (mg/l)
 sediment Sweet water = 552 (mg/kg/sediment)
 Sea water = 140,9 (mg/l)
 sediment Sea water = 552 (mg/kg/sediment)
 STP = 2251 (mg/l)
 ground = 28 (mg/kg ground)

8.2. Exposure controls

Appropriate engineering controls:
 Formulation [mixing] of preparations and/or re-packaging:
 No specific checks planned
 Industrial Manufacturing:
 No specific monitoring foreseen
 Manufacture of textiles, leather, fur:
 No specific checks planned
 Individual protection measures:
 (a) Eye / face protection
 Wear mask
 (b) Skin protection
 (i) Hand protection
 When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)
 (ii) Other
 When handling the pure product wear full protective skin clothing.
 (c) Respiratory protection
 Use adequate protective respiratory equipment (EN 14387:2008)
 (d) Thermal hazards
 No hazard to report
 Environmental exposure controls:
 Use according to good working practices to avoid pollution into the environment.



SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	liquid	
Colour	yellow	
Odour	characteristic	
Odour threshold	not determined	
pH (1:10)	irrelevant	
Melting point/freezing point	irrelevant	
Initial boiling point and boiling range	95 °C	
Flash point	4 °C	ASTM D92



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SECTION 9. Physical and chemical properties.../>>>

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Physical and chemical properties	Value	Determination method
Evaporation rate	irrelevant	
Flammability (solid, gas)	irrelevant	
Upper/lower flammability or explosive limits	not determined	
Vapour pressure	not determined	
Vapour density	not determined	
Relative density	0.9	
Solubility	not determined	
Water solubility	no	
Partition coefficient: n-octanol/water	not determined	
Auto-ignition temperature	not determined	
Decomposition temperature	not determined	
Viscosity	not determined	
Explosive properties	not explosive	
Oxidising properties	non-oxidizing	

9.2. Other information

Content of VOC ready to use condition: 60,00 %

SECTION 10. Stability and reactivity

10.1. Reactivity

No reactivity hazards

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Avoid contact with combustible materials. The product could catch fire. heat, open flames, sparks or hot surfaces.

10.5. Incompatible materials

It can generate inflammable gases to contact with elementary metals, nitrides, strong reducing agents.
It can generate toxic gases to contact with oxidants mineral acids, organic peroxides, organic water peroxides.
It can ignite in contact with oxidants mineral acids, organic nitrides, peroxides and water peroxides, strong oxidants agents.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.



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SECTION 11. Toxicological information

11.1. Information on toxicological effects

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ATE(mix) oral = ∞

ATE(mix) dermal = ∞

ATE(mix) inhal = ∞

- (a) acute toxicity: based on available data, the classification criteria are not met.
- (b) skin corrosion/irritation based on available data, the classification criteria are not met.
- (c) serious eye damage/irritation: If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.
- (d) respiratory or skin sensitization: based on available data, the classification criteria are not met.
- (e) germ cell mutagenicity: based on available data, the classification criteria are not met.
- (f) carcinogenicity: based on available data, the classification criteria are not met.
- (g) reproductive toxicity: based on available data, the classification criteria are not met.
- (h) specific target organ toxicity (STOT) single exposure: Warning: Vapours inhalation may cause sleepiness and giddiness
- (i) specific target organ toxicity (STOT) repeated exposure based on available data, the classification criteria are not met.
- (j) aspiration hazard: based on available data, the classification criteria are not met.

Related to contained substances: propan-2-ol:

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its vapor.

INHALATION RISK: A harmful contamination of the air will be reached rather slowly due to evaporation of the substance at 20 ° C; however, by spraying or dispersing, much faster.

EFFECTS OF SHORT-TERM EXPOSURE: The substance is irritating to the eyes and the respiratory tract. The substance may cause effects on the central nervous system, resulting in depression. Exposure far above the OEL can lead to a state of unconsciousness.

EFFECTS OF REPEATED OR LONG-TERM EXPOSURE: The liquid has degreasing characteristics of the skin.

ACUTE RISKS / SYMPTOMS

INHALATION Cough. Vertigo. Drowsiness. Headache. Sore throat. See Ingestion.

CUTE Dry skin.

EYES Redness.

INGESTION Abdominal pain. Breathing difficulty. Nausea. State of unconsciousness. He retched. (Also see Inhalation).

N O T E The use of alcoholic beverages enhances the harmful effect.

LD50 (rat) Oral (mg/kg body weight) = 2100

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2100

11.2. Information on other hazards

No data available.

SECTION 12. Ecological information

12.1. Toxicity

Related to contained substances: propan-2-ol:

The product is lighter than water and is completely miscible at 20 ° C.

It is dispersed by evaporation within a day. Large volumes can penetrate the ground and contaminate groundwater. The product is dangerous for the environment as it is toxic for aquatic organisms following acute exposure.

Use according to good working practices to avoid pollution into the environment.



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SECTION 12. Ecological information.../>>>

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No PBT/vPvB ingredient is present

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No adverse effects

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies. Recover if possible. Operate according to local or national regulations

SECTION 14. Transport information

14.1. UN number

ADR/RID/IMDG/ICAO-IATA: 1263

If subject to the following characteristics is ADR exempt:

Combination packagings: per inner packaging 5 L per package 30 Kg

Inner packagings placed in shrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg





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SECTION 14. Transport information.../>>>

14.2. UN proper shipping name

ADR/RID/IMDG: PITTURE o MATERIE SIMILI ALLA PITTURE

ADR/RID/IMDG: PAINT or PAINT RELATED MATERIAL

ICAO-IATA: PAINT or PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class : 3

ADR/RID/IMDG/ICAO-IATA: Label : 3

ADR: Tunnel restriction code : D/E

ADR/RID/IMDG/ICAO-IATA: Limited quantities : 5 L

IMDG - EmS : F-E, S-E

14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: II

14.5. Environmental hazards

ADR/RID/ICAO-IATA: Product is not environmentally hazardous

IMDG: Marine polluting agent : Not

14.6. Special precautions for user

The transport must be carried out by authorised vehicles carrying dangerous goods in accordance with the requirements of the current edition of the agreement and the provisions A.D.R national regulations.

The transport must be carried out in the original packaging and in packages that are made from materials resistant to the content and not likely to generate with this dangerous reactions. Employees to the loading and unloading of dangerous goods have received proper training on the risks presented by prepared and on possible procedures to be taken in the event of emergency situations

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

It is not intended to carry bulk

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

REGAL DAMMAR REACH Annex 17 restriction: 3. 40

Seveso category:

P5c - FLAMMABLE LIQUIDS

REGULATION (EU) No 1357/2014 - waste:

HP3 - Flammable

HP4 - Irritant — skin irritation and eye damage

HP5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier



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SECTION 16. Other information

16.1. Other information

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This tab replaces and cancels all previous

Description of the hazard statements exposed to point 3

H226 = Flammable liquid and vapour.

H304 = May be fatal if swallowed and enters airways.

H336 = May cause drowsiness or dizziness.

H412 = Harmful to aquatic life with long lasting effects.

H225 = Highly flammable liquid and vapour.

H319 = Causes serious eye irritation.

Classification based on data of all mixture components

LEGEND:

ADR: European Agreement concerning the carriage of Dangerous goods by Road

CAS NUMBER: Chemical Abstract Service Number

CE50: Effective concentration (required to induce a 50% effect)

CE NUMBER: Identifier in ESIS (European archive of existing substances)

CLP: EC Regulation 1272/2008

DNEL: Derived No Effect Level

EmS: Emergency Schedule

GHS: Globally Harmonized System of classification and labeling of chemicals

IATA DGR: International Air Transport Association Dangerous Goods Regulation

IC50: Immobilization Concentration 50%

IMDG: International Maritime Code for dangerous goods

IMO: International Maritime Organization

INDEX NUMBER: Identifier in Annex VI of CLP

LC50: Lethal Concentration 50%

LD50: Lethal dose 50%

OEL: Occupational Exposure Level

PBT: Persistent bioaccumulative and toxic as REACH Regulation

PEC: Predicted environmental Concentration

PEL: Predicted exposure level

PNEC: Predicted no effect concentration

REACH: EC Regulation 1907/2006

RID: Regulation concerning the international transport of dangerous goods by train

TLV: Threshold Limit Value

TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.

TWA STEL: Short-term exposure limit

TWA: Time-weighted average exposure limit

VOC: Volatile organic Compounds

vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation

WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

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- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

Information contained in this data sheet is based on our state of knowledge and on laboratory testing at the above-specified date. The User should determine, by preliminary tests, the suitability of the product for his intended purpose, and should observe the laws and regulations regarding health and safety. C.T.S. S.r.l. guarantees the constant quality of the product but is not accountable for any damages caused by the incorrect use of a material. The product is intended **for professional use only**.