



Charon 63V/P & LF Intumescent Clear Coat Timber Varnish Part B

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

- 1.1 Product name** Charon 63V/P & LF Intumescent Clear Coat Timber Varnish Part B
- 1.2 Intended use** Flame retardant coating
- 1.3 Manufacturer** Intumescent Chemicals Ltd, Unit 9 Langley Park, North Street, Langley Mill, Nottingham, United Kingdom NG16 4BS
Email: info@intuchemicals.com
- 1.4 Emergency contact number:** 0115 671 1072

2. HAZARDS IDENTIFICATION

2.1 Classification According to EC 1272/2008 (CLP)

Skin corrosion /Irritation Category 2 H315: Causes skin irritation
 Serious eye damage / irritation Category 2A H319: Causes serious eye irritation

Corrosive to metals Category 1 H290: May be corrosive to metals

2.2 Label elements



Signal Word:

Warning

| | | |
|------------------|------|---------------------------------|
| Hazard statement | H315 | Skin corrosion /Irritation |
| Hazard statement | H319 | Serious eye damage / irritation |
| Hazard statement | H290 | Corrosive to metals |

Precautionary Statements

P234 Keep in original container

P264 Wash skin thoroughly after handling

P280 Wear protective gloves/protective clothing /eye protection /face protection

P302+352 IF ON SKIN : wash with plenty of soap & water

P305+P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

P332+P313 IF SKIN IRRITATION OCCURS: get medical advice / attention

P390 Absorb spillage to prevent material damage

Hazardous components that must be listed on the label:

13530-50-2 Aluminium tris (dihydrogen phosphate)

3. INFORMATION ON INGREDIENTS

3.1 Substance

Chemical Name: Aluminium tris (dihydrogen phosphate)
Concentration 30%
CAS Number 13530-50-2
Hazard codes Serious eye damage category 1

Phosphoric acid, mixed esters with ethylene glycol and pentaerythritol

Concentration >=60%
CAS Number 145441-41-4
Hazard codes Corrosive to metals category 1
Skin Corrosion/ irritation category 2
Serious eye damage/ irritation category 2

4. FIRST AID MEASURES

4.1 Description of first aid measures

Remarks: Do not induce vomiting

On skin contact: Wash off with soap and copious flow of water. Remove contaminated clothing and shoes. Rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

On eye contact: Flood opened eye with running water for at least 10 minutes. Get medical attention. Remove contact lenses if present.

On ingestion: Rinse mouth then drink plenty of water. Remove to fresh air and keep at rest in comfortable position- stop if the person feels sick as vomiting may be dangerous. If vomiting occurs keep the head low to prevent vomit entering the lungs. If unconscious, put in the recovery position, maintain open airway and loosen clothing. Seek medical advice.

On inhalation: Remove to fresh air. If unconscious, irregular breathing, or respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid by mouth to mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact: Causes serious eye irritation
Inhalation: No known significant effects or critical hazards.
Skin contact: Causes skin irritation.
Ingestion: Irritating to mouth, throat and stomach.

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

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments: No specific treatment

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Not flammable – use extinguishing measures that are appropriate to the local circumstances and surrounding environment.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: None under normal conditions

5.3 Advice for Fire Fighters

Wear self-contained breathing apparatus. Wear full protective suit.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal protection**

Wear appropriate protective clothing

6.2 Environmental precautions

Try not to allow to enter drains and water courses. Advise authorities if large spill enters water course or sewer.

6.3 Methods for cleaning up

Contain and absorb using sand, sawdust etc. Take up by mechanical means. Dispose of in accordance with regulations. Neutralise residue with soda and rinse with plenty of water.

7. STORAGE**7.1 Handling**

Wear personal protective equipment to prevent contact with skin, eyes and clothing. Exposure to mist and vapour from heated product should be minimised by provision of local ventilation systems. Eating, drinking and smoking should be prohibited in areas where this material is being used. Workers should wash hands and face before eating, drinking, or smoking. Keep in original container. Empty containers will contain residue and can be hazardous – do not reuse.

Protection against fire and explosion

No special precautions necessary

7.2 Storage

Store in tightly closed containers, keep dry and cool.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters**

| Component | CAS#: | TWA |
|--|------------|--------------------|
| aluminium tris (dihydrogen phosphate) | 13530-50-2 | 2mg/m ³ |

DNEL

End use: Workers

Exposure routes: Inhalation

Potential health effects: Long term exposure, systemic effects

Value: 4.07mg/m³

8.2 Exposure controls

Respiratory When using this product at elevated temperatures ensure area is ventilated, where not possible use suitable respiratory equipment.

Hand Use chemical resistant gloves (eg. EN374).

Eye Use safety glasses with side shields

Body Wear suitable protective clothing for the activity and possible exposure to avoid contact with skin, eg. protective apron, boots, impervious clothing.

General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic and physical and chemical properties

Appearance

Colour : Deep Brown

Form : Medium viscosity liquid

Odour : Faint ethereal or alcoholic odour

Physical data

pH 1.0-2.0

Concentration 70-90%

Boiling Point Decomposes

Flash Point Not applicable

Flammability (liquids) Does not ignite

Explosive properties Regulatory information: Not explosive

International transport regulations: Not explosive

Oxidising properties The substance is not classified as oxidizing

Vapour pressure No data available

Density (20°C) 1.35-1.5

Solubility Fully water soluble

Partition coefficient No data available

Viscosity (cPS) 100-1700

Vapour density No data available

Evaporation rate No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

Corrosive to copper alloys, passivates steel.

10.2 Chemical Stability

Stable under normal prescribed conditions.

10.3 Hazardous reactions

Stable under recommended storage conditions

10.4 Conditions to avoid

No specific conditions are likely to result in a hazardous situation

10.5 Incompatible materials

No specific, or groups of materials are likely to react to produce a hazardous situation

10.6 Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information

Skin corrosion/irritation

Causes severe burns

Components**Phosphoric acid, mixed esters with ethylene glycol and pentaerythritol**

Corrosive after 3 minutes to 1 hour of exposure

Serious eye damage/ eye irritation

Irritant to eyes, skin and mucous membranes.

Route of entry: dermal contact, eye contact. Ingestion.

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

No data available

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

Product Assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at level of 0.1% or higher.

12.6 Other adverse effects

No data available

13. DISPOSAL**13.1 Waste treatment methods:**

Disposal of waste product and containers should be in accordance with local authority regulations and environmental legislation.

14 TRANSPORT INFORMATION**14.1 UN Number**

ADR UN 3265

ADNR UN 3265

IMDG UN 3265

ICAO/IATA UN 3265

14.2 UN proper shipping name

ADR Corrosive liquid, acidic, organic, n.o.s.

ADNR Corrosive liquid, acidic, organic, n.o.s.

IMDG Corrosive liquid, acidic, organic, n.o.s.

ICAO/IATA Corrosive liquid, acidic, organic, n.o.s.

14.3 TRANSPORT AND HAZARD CLASSES

ADR 8

ADNR 8

IMDG 8

ICAO/IATA 8

14.4 Packing group

ADR / RID

Packing group

III

SAFETY DATA SHEET

According to REACH Regulation (EC) No. 1907/2006

Revision Date 06/11/2019

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Classification code 3
Labels 8
Hazard No 80
Tunnel restriction code E

ADNR

Packing group III
Labels 8
Classification code C3
Hazard No 80

IMDG:

Packing group III
Primary risk 8
EmS Code F-A, S-B

ICAO/IATA:

Packing instruction (cargo aircraft) 856
Packing instruction (passenger aircraft) 852
Packaging instruction (LQ) Y841
Packing group III
Label Corrosives

15. REGULATORY INFORMATION

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

Candidate list of substances : Neither banned nor restricted of very high concern for authorization

Major accident hazard : Does not apply
Legislation

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for this product.

16. OTHER INFORMATION

Full text of H Phrases referred to under sections 2

H290 May be corrosive to metals
H319 Causes serious eye damage
H315 Causes skin irritation

Full text of classifications

(CLP/GHS) Corrosive 1, H290 Corrosive to metals – Category 1
Eye irritant 2, H319 Serious eye damage / irritation - Category 2
Skin Irritant 2, H315 Skin Corrosion / irritation - Category 2

Revision date

1.0: 06/11/2019

This information is correct to the best of our knowledge.

Recipients of our product must take responsibility for observing all existing laws and regulations that apply to the transport, use, storage and disposal of this material.