

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

1.1. Product identifier

Product form : Mixture
Name : DecoVas™ Part A
Product code : VSP

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

1.2.1. Relevant identified uses

Main use category : Professional use, Industrial use
Industrial/Professional use spec : Industrial
For professional use only
Use of the substance/mixture : Coating

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

ICD High Performance Coatings
7350 S. Union Ridge Parkway
Ridgefield, WA 98642
United States of America

Tel: +1 (360) 546 2286
Fax: +1 (360) 546 2287

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
UNITED STATES OF AMERICA	ICD High Performance Coatings	7350 S. Union Ridge Parkway Ridgefield, WA 98642	: +1 (360) 546 2286

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS Classification according to Regulation (EC) No. 1272/2008 [CLP]

H317 May cause an allergic skin reaction. : Category 1

Full text of H-phrases mentioned in this Section: see Section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms :



Signal word : Warning

Hazard statements : May cause an allergic skin reaction

Precautionary statements : **Prevention:**
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray
Wear protective gloves.

Response:
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical attention.
Take off contaminated clothing and wash it before reuse.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Hazardous ingredients:

Name	CAS No.	Concentration (Wt %)
4,4'- Isopropylidenedicyclohex anol, oligomeric reaction products with 1-chloro- 2,3-epoxypropane	30583-72-3	10 - 20 %
Methanol	67-56-1	0.1 - 1 %

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Remove soiled or soaked clothing immediately.
- First-aid measures after inhalation : Ensure supply of fresh air.
- First-aid measures after skin contact : Immediately and thoroughly, wash off with soap and water.
- First-aid measures after eye contact : Flush eye immediately and thoroughly while protecting the unhurt eye. If symptoms persist, seek medical attention.
- First-aid measures after ingestion : If swallowed, seek medical attention and show MSDS.

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

- Symptoms/injuries : The following symptoms may occur: - allergic symptoms.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Alcohol-resistant foam. Carbon dioxide (CO₂). Dry chemical.
- Unsuitable extinguishing media : Full water jet.

5.2. Special hazards arising from the substance or mixture

- Hazardous combustion products : In the event of fire the following can be released:
- Carbon monoxide, carbon dioxide, silicon dioxide
Under certain conditions of combustion traces of other toxic substances cannot be excluded..

5.3. Advice for firefighters

- Firefighting instructions : Use extinguishing methods that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
- Protection during firefighting : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations. Ensure adequate ventilation.

6.2. Environmental precautions

Do not allow to enter drains or waterways Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand, diatomaceous earth, universal binder) Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Local/Total ventilation : Use only with adequate ventilation.
- Precautions for safe handling : Wear respiratory protection when spraying. Provide good ventilation of working area (local exhaust ventilation if necessary). Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
- Hygiene measures : No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift. Do not eat, drink or smoke when working.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : No special measures required. Keep container tightly closed in a well-ventilated place.
- Incompatible materials : None.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ingredients with workplace control parameters:

Ingredients	CAS-No.	Type (Form of exposure)	Value	Basis
Methanol	67-56-1	TWA	200 ppm	ACGIH
		STEL	250 PPM	ACGIH
		SKIN_DES	Can be absorbed through the skin	ACGIH
		REL	200 ppm 260 mg/m ³	NIOSH
		STEL	250 ppm 325 mg/m ³	NIOSH
		SKIN_DES	Can be absorbed through the skin	NIOSH
		PEL	200 ppm 260 mg/m ³	OSHA Z-1

8.2. Exposure controls

- Appropriate engineering controls : Good general (mechanical) ventilation should be sufficient to control airborne levels.
- Hand protection : gloves made of nitril (NBR)
gloves made of butyl (IIR)
- Eye protection : Use chemical resistant goggles.
- Skin and body protection : Light protective clothing is required.
- Respiratory protection : In case of formation of vapors/aerosols: respiratory protective equipment, cartridge for organic gases and vapors.



- Other information : Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product. Emergency showers and eye wash stations should be available. Store separate from food products.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Various.
Odour	: Characteristic.
Odour threshold	: No data available
pH	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 242.6 °F Method: DIN EN 22719 (DIN 51758)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.000 - 1.200 g/cm ³ (25 °C) Method: DIN 51757
Solubility	: Insoluble in water
Log Pow	: No data available
Viscosity, dynamic	: 1,000 - 2,000 mPa·s (25 °C) Method: DIN 53015 (Höppler)
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

See section "Possibility of hazardous reactions".

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No
Hydrolysis may result in formation of methanol depending on the specific conditions of use.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None with proper storage and handling.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure : Inhalation. Skin contact. Ingestion. Eye contact.

Acute toxicity	: Not classified based on available data. Acute oral toxicity estimate: >2000 mg/kg Method: calculation method Acute dermal toxicity estimate: >2000 mg/kg Method: calculation method Acute inhalation toxicity estimate: Exposure duration: 4 h Test atmosphere: vapour Dose: > 20 mg/l Method: calculation method
Skin corrosion/irritation	: Not classified based on available information.
Serious eye damage/eye irritation	: Not classified based on available information.
Skin sensitization	: Not classified based on available information.
Respiratory sensitization	: Not classified based on available information.
Germ cell mutagenicity	: Not classified based on available information.
Carcinogenicity	: Not classified based on available information.
IARC	: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
ACGIH	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by ACGIH.
Reproductive toxicity	: Not classified based on available information.
Specific target organ toxicity (single exposure)	: Not classified based on available information.
Specific target organ toxicity (repeated exposure)	: Not classified based on available information.
Repeated dose toxicity	: Not classified based on available data.
Aspiration hazard	: Not classified based on available data.
Potential adverse human health effects and symptoms	: Not classified based on available data.
Further Information	: Possibility of sensitisation through skin contact.

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity	: Not classified based on available data.
Chronic aquatic toxicity	: Not classified based on available data.

Ingredients:

Methanol:

Toxicity to fish	LC50 <i>Lepomis macrochirus</i> (Bluegill): 15,400.0 mg/l Exposure time: 96 h NOEC <i>Oryzias latipes</i> : 7,900 mg/l Exposure time: 200 h
Toxicity to daphnia and other aquatic invertebrates	EC50 <i>Daphnia magna</i> (Water flea): > 10,000.00 mg/l Exposure time: 48 h
Toxicity to algae	EC50 <i>Scenedesmus capricornutum</i> (fresh water algae): 22,000.0 mg/l Exposure time: 96 h

4,4'- Isopropylidenedicyclohex anol, oligomeric reaction products with 1-chloro- 2,3-epoxypropane:

Toxicity to fish No data available.

Toxicity to daphnia and other aquatic invertebrates No data available.

12.2. Persistence and degradability

Ingredients:

Ingredient	Results
4,4'- Isopropylidenedicyclohex anol, oligomeric reaction products with 1-chloro- 2,3-epoxypropane	No data available.
Methanol	Aerobic: Exposure time 5 d Result: 72 % - rapidly biodegradable. Biochemical Oxygen Demand (BOD): 600 - 1,120 mg/g Chemical Oxygen Demand (COD) 1,420 mg/g Theoretical oxygen demand 1,500 mg/g

12.3. Bioaccumulative potential

Ingredients:

Ingredient	Remarks
4,4'- Isopropylidenedicyclohex anol, oligomeric reaction products with 1-chloro- 2,3-epoxypropane	No data available.
Methanol	Cyprinus carpio (Carp) - 72 d at 20 °C - 5 mg/l Bioconcentration factor (BCF): 1.0

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Do not allow to enter soil, waterways or waste water canal.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Resource Conservation and Recovery Act (RCRA)	: This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.
Product	: In accordance with local authority regulations, take to special waste incineration plant.
Contaminated packaging	: If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards. If not otherwise specified: Dispose of as unused product.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not dangerous goods in terms of transport regulations

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable



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Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Domestic regulation

49 CFR

14.6. Special precautions for user

14.6.1. Overland transport

14.6.2. Transport by sea

14.6.3. Air transport

14.6.4. Inland waterway transport

Carriage prohibited (ADN) : No
Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable



DecoVas™ Part A

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SECTION 15: Regulatory information

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

Canada:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation and the (M)SDS contains all information required by the Controlled Products Regulation

Canada : WHMIS CLASSIFICATION
Non-WHMIS
This product contains component(s) that are listed on the WHMIS Ingredient Disclosure List.
Methanol 67-56-1

EPCRA – Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Ingredients	CAS-No	Component RQ (lbs)	Calculated product RQ (lbs)
Methanol	71-36-3	100	>5000

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ

SARA 311/312 Hazards

: Acute Health Hazard

SARA 302

: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

15.1.2. National regulations

US State Right To Know Regulations

Ingredient	CAS No.	Concentration (Wt %)
Methanol	71-36-3	0.1 - 1 %

California Prop. 65

- Methanol (CAS-No.: 67-56-1)

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm

The ingredients of this product are reported in the following inventories:

REACH : All ingredients (pre)registered or exempt.
TSCA : All chemical substances in this material are included on or exempted fro listing on the TSCA Inventory of Chemical Substances.
DSL : All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or are exempt from listing on the Canadian Domestic Substances List (DSL).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Internal technical data, data from raw material SDS's, and OECD eChem Portal search results.

Other information : None.

Full text of H- phrases:



DecoVas™ Part A

Safety Data Sheet

Acute Tox. 4 (Oral)

Carc. 1A

Carc. 1A

Eye Dam. 1

Eye Irrit. 2

Skin Corr. 1A

Skin Irrit. 2

Skin Sens. 1

H225

H302

H314

H315

H317

H318

H319

H320

H413

Acute toxicity (oral), Category 4

Carcinogenicity, Category 1A

Carcinogenicity (inhalation) Category 1A

Serious eye damage/eye irritation, Category 1

Serious eye damage/eye irritation, Category 2

Skin corrosion/irritation, Category 1A

Skin corrosion/irritation, Category 2

Sensitisation — Skin, category 1

Highly flammable liquid and vapour

Harmful if swallowed

Causes severe skin burns and eye damage

Causes skin irritation

May cause an allergic skin reaction

Causes serious eye damage

Causes serious eye irritation

Causes eye irritation

May cause long lasting harmful effects to aquatic life

SDS EU_NSC

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.