

# Material Safety Data Sheet



Issue Date: 14/02/20

## Section 1: Identification

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### 1.1 Product Identifier

- Nv Precision

### 1.2. Details of the Supplier

- **Manufacturer & Supplier:** Nv Car Care
- **Address:** 34b, Trade Park Drive, Tullamarine, 3043, Victoria, Australia
- **Contact:** +61 493 302 177

## Hazard(s) Identification

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### 2.1 Label elements:

- Regulation (EC) No. 1272/2008
  - **Hazard Components for Labelling**
    - This compound has been treated with various biocides for preservation purposes
  - **Precautionary Statements**
    - P102: Keep out of reach of children

### 2.2. Classification of the substance

- **Regulation (EC) No. 1272/2008**
  - This mixture is not classified as a hazardous product in compliance with regulation (EC), No. 1272/2008
    - Harmful if inhaled or ingested

## Composition/information on ingredients

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### 3.1. Mixtures

- **Hazardous Components:**

CAS No.	Chemical Name			Quantity
	EC No	Index No	Reach No	
	GHS Classification			
	Aliphatic hydrocarbons, C11-C13, isoalkanes, <2% aromatics			8 - < 16%
	920-901-0		01-2119456810-40	
	Asp. Tox. 1; H304 EUH066			

## First-aid measures

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### 4.1. Description of First Aid Measures

- **Inhalation:** If inhaled directly, remove yourself from the immediate area and get some fresh air.
- **Skin Contact:** Wipe affected area, and remove product from skin with a dry cloth/towel. Wash the exposed area thoroughly with suitable soap and water. Take off contaminated clothing and wash before reuse.
- **Eye Contact:** Flush out affected eye(s) immediately with plenty of water for 10-15 minutes.
- **Ingestion:** Wash mouth out with water immediately, provided the person is conscious. If unconscious, call a physician immediately, never give anything by mouth to an unconscious person.

## Fire-fighting measures

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### 5.1. Extinguishing Media

- Dry extinguishing powder, foaming solution, carbon dioxide, water spray jet.
- Coordinate fire-fighting measures to the fire surroundings.

### 5.2. Advice for Firefighters

- Firemen are recommended to wear usual protective equipment, and utilise a positive pressure, self contained breathing apparatus.
- Use a water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## Accidental release measures

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### 6.1. Personal Precautions

- Provide adequate ventilation to the area
- Do not breathe gas/fumes/vapour/spray
- If insufficient ventilation is evident, ensure suitable respiratory equipment is used.
- Avoid contact with skin, eyes & clothes.

### 6.2. Environmental Precautions

- Do not let material enter surface water or drains.

### 6.3. Methods and Materials for Clean-up

- Absorb the liquid with a liquid-binding materials (e.g. sand, universal binding agents).
- Treat the recovered material as prescribed in waste disposal section
- Remove, clean and/or dispose of contaminated clothing.

## Handling and storage

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### 7.1. Advice for safe handling

- No special measures necessary.
- Minimum standard for preventative measures while handling/working with materials are specified in the TRGS 500

### 7.2. Advice for safe storage

- Store the material in a well ventilated space that is away from direct sunlight
- Keep the bottle/container tightly closed when stored

## Exposure controls / personal protection

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### 8.1. Engineering Measures

- Use only in well ventilated areas

### 8.2. Protective & Hygiene Measures

- Remove contaminated clothing
- Wash hands before breaks & after work
- Do not smoke when using these materials
- Do not eat/drink when using these materials
- Avoid contact with skin, eyes & clothes
- Avoid breathing in fumes, dusts, gasses & sprays

### 8.3. Personal Protection

- **Respiratory Protection:** If inadequate ventilation is present, wear respiratory protection

- **Hand Protection:** Suitable, impervious gloves must be worn during use
- **Eye Protection:** Safety glasses
- **Skin Protection:** Suitable protective clothing

#### 8.4. Control Parameter

- **Exposure Limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
1344-28-1	Aluminium oxides, respirable dust Glycerol Mist	-	4		TWA (8h)	WEL
56-81-5		-	10		TWA (8h)	WEL

- **DNEL/DMEL Values:**

CAS No	Substance			
DNEL Type	Exposure Route	Effect	Value	
1344-28-1	Aluminium Oxide			
Worker DNEL, long-term	Inhalation	Systemic	15,63 mg/m <sup>3</sup>	
Worker DNEL, long-term	Inhalation	Local	15,63 mg/m <sup>3</sup>	
Consumer DNEL, long-term	Oral	Systemic	6,58 mg/kg bw/day	
56-81-5	Glycerol			
Consumer DNEL, long-term	Oral	Systemic	229 mg/kg bw/day	
Worker DNEL, long-term	Inhalation	Local	56 mg/m <sup>3</sup>	
Consumer DNEL, long-term	Inhalation	Local	33 mg/m <sup>3</sup>	

- **PNEC Values:**

Cas NO	Substance	
Environmental Compartment	Value	
1344-28-1	Aluminium Oxide	
Freshwater	0,0749 mg/l	
56-81-5	Glycerol	
Freshwater	0,885 mg/l	
Marine Sediment	0,33 mg/kg	

Marine Water	0,00885 mg/l
Soil	0,141 mg/kg
Freshwater Sediment	3.3 mg/kg

## Physical and chemical properties

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### 9.1. Information on physical and chemical properties

- **Physical State:** Paste
- **Colour:** Grey
- **Odour:** Characteristic
- **pH-Value (at 20 °C):** 8

### 9.2. Changes in Physical State

- **Melting Point:** Not determined
- **Initial Boiling Point & range:** 100 °C
- **Flash Point:** >61 °C

### 9.3. Flammability

- **Solid:** Not determined
- **Gas:** Not applicable
- **Lower explosion limits:** 0,6 vol. %
- **Upper explosion limits:** 7 vol. %
- **Ignition Temperature:** >200 °C

### 9.4. Auto-ignition temperature

- **Solid:** Not determined
- **Gas:** Not applicable
- **Decomposition Temperature:** not determined

### 9.5. Oxidizing Properties

- **Vapour Pressure (at 20°C):** 0,4 hPa
- **Density (at 20°C):** 1,05 g/cm<sup>3</sup>
- **Water solubility:** completely miscible

### 9.6. Solubility in other solvents

- **Partition coefficient:** not determined
- **Viscosity/dynamic (at 20°C):** 27500-32500 mPa-s
- **Vapour density:** not determined
- **Evaporation rate:** not determined
- **Solvent content:** 23,00%

## Stability and reactivity

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### 10.1. Conditions to avoid

- Only use material where open light, fire & flammable sources are not present and can be kept away

### 10.2. Chemical Stability

- The product is stable under storage

### 10.3. Incompatible Materials

- Strong acid, strong alkalines, highly oxidising substances

### 10.3. Hazardous decomposition products

- No known hazardous decomposition products.

## Toxicological information

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### 11.1. Information on toxicological effects

- **Acute Toxicity:** Based on available data, the classification criteria are not met.

CAS No	Chemical Name				
	Exposure Route	Dose	Species	Sources	Method
	Aliphatic hydrocarbons, C11-C13, isoalkanes, <2% aromatics				
	Oral	LD50 >5000 mg/kg	Rat	ECHA	OECD 401
	Dermal	LD50 >5000 mg/kg	Rat	ECHA	OECD 401
	Inhalation (4h) Vapour	LD50 >5000 mg/kg	Rat	ECHA	OECD 401

## Ecological information

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### 12.1. Toxicity

- Based on available data, the classification criteria are not met.

CAS No	Chemical Name					
	Aquatic Toxicity	Dose	[h] [d]	Species	Sources	Method
	Aliphatic hydrocarbons, C11-C13, isoalkanes, <2% aromatics					
	Acute fish toxicity	LC50 >1000 mg/l	96h	Oncorhynchus Mykiss (rainbow trout)	ECHA	
	Acute algae toxicity	ErC50 >1000 mg/l	72h	Pseudokirchneriella subcapitata	ECHA	
	Acute crustacea toxicity	EC50 >1000 mg/l	48h	Daphnia magna (Big water flea)	ECHA	
	Algae toxicity	NOEC 1000 mg/l	3d	Pseudokirchneriella subcapitata		

### 12.2. Persistence and degradability

CAS No	Chemical Name			
	Method	Value	D	Source
	Evaluation			
	Aliphatic hydrocarbons, C11-C13, isoalkanes, <2% aromatics			
	OECD 301 F	31,3%	28	ECHA
	Evidence of inherent biodegradability			

## Disposal Information

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### 13.1. Waste treatment methods

- **Disposal Recommendations**
  - Do not allow material to enter surface water or drain. Do not allow material to enter soil/subsoil
  - Ensure that any disposal practice must be in compliance with the users country, state, local & federal laws and regulations.
- **Contaminated Packaging**
  - Completely emptied packages can be recycled

## Transport Information

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### 14.1. Land Transport (ADR/RID)

- **UN Number:** No dangerous good in sense of this transport regulation
- **UN Proper Shipping Name:** No dangerous good in sense of this transport regulation
- **Transport Hazard Class(es):** No dangerous good in sense of this transport regulation
- **Packing Group:** No dangerous good in sense of this transport regulation

### 14.2. Inland waterways transport (ADN)

- **UN Number:** No dangerous good in sense of this transport regulation
- **UN Proper Shipping Name:** No dangerous good in sense of this transport regulation
- **Transport Hazard Class(es):** No dangerous good in sense of this transport regulation
- **Packing Group:** No dangerous good in sense of this transport regulation

### 14.3. Marine Transport (IMDG)

- **UN Number:** No dangerous good in sense of this transport regulation
- **UN Proper Shipping Name:** No dangerous good in sense of this transport regulation
- **Transport Hazard Class(es):** No dangerous good in sense of this transport regulation
- **Packing Group:** No dangerous good in sense of this transport regulation

### 14.4. Air Transport (ICAO-TI/ATA/DGR)

- **UN Number:** No dangerous good in sense of this transport regulation
- **UN Proper Shipping Name:** No dangerous good in sense of this transport regulation
- **Transport Hazard Class(es):** No dangerous good in sense of this transport regulation
- **Packing Group:** No dangerous good in sense of this transport regulation

## Regulatory information

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### 15.1. Safety, health and environmental regulations/legislation

- **EU Regulatory information:**
  - 2010/75/EU (VOC): 13,5% (141,75 g/l)
  - 2004/42/EC (VOC): 13,5% (141,752 g/l)



- **Additional information:**
  - To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC
- **National Regulatory information**
  - Water hazard class (D):
  - Slightly hazardous to water
- **Chemical safety assessment**
  - Chemical safety assessments for substances in this mixture were not carried out

## **Other information**

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This information is only concerning the above-mentioned product, and will not be valid if this material is used with others, or processes. This information presented is our current best knowledge regarding the precautions & safety of this product, and is given with good faith without warranty. It still remains the user's responsibility to ensure that the information provided is appropriate for them.