
MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name: **Indola Sculpture Brushout Hairspray**
Other Names: Sculpture Hairspray
Product Code: 991286 (100g), 991287(400g), 991288 (500g)
Recommended Use: Hair spray

Supplier: **Henkel Australia Pty. Limited** **Henkel New Zealand Limited**
135-141 Canterbury Road, **106 Springs Road,**
Kilsyth, Victoria, 3137 **East Tamaki, Auckland**
AUSTRALIA **NEW ZEALAND**

Emergency Telephone Number: 61 2 9978 0666 (9.00 am – 5.00 pm, Monday to Friday) Australia
0800 930 930 (9.00 am – 5.00 pm, Monday to Friday) New Zealand

SECTION 2 – HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

Flammable aerosol Category 1

Extremely flammable aerosol.

Pressurized container: May burst if heated.

Serious eye irritation Category 2

Causes serious eye irritation.

2.2. Label elements (CLP)

Hazard pictogram:



Signal word: Danger

Hazard statement: H222 Extremely flammable aerosol.
H229 Pressurized container: May burst if heated.
H319 Causes serious eye irritation.

Precautionary statement: P210 Keep away from heat/open flames/hot surfaces. - No smoking.
Prevention P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P280 Wear eye protection/face protection.

Precautionary statement: P337+P313 If eye irritation persists: Get medical advice/attention.
Response

Precautionary statement: P410+P412 Protect from sunlight. Do not expose to temperatures exceeding
Storage 50°C/122°F.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL SAFETY DATA SHEET

Hazardous substances according to CLP (EC) No 1272/2008:

Hazardous substances CAS-No.	EINECS	REACH-Reg No.	Content	Classification
Ethanol denatured 64-17-5	200-578-6	01-2119457610-43	>= 50- < 70 %	H225 Flammable liquids 2 H319 Serious eye irritation 2
Butane 106-97-8	203-448-7		>= 10- < 20 %	H280 Gases under pressure H220 Flammable gases 1A
Isobutane 75-28-5	200-857-2	01-2119485395-27	>= 10- < 20 %	H220 Flammable gases 1A H280 Gases under pressure Liquef. Gas
Propane 74-98-6	200-827-9	01-2119486944-21	>= 1- < 10 %	H220 Flammable gases 1A H280 Gases under pressure

For full text of the H - Phrases indicated by codes only see Section 16 "Other information".

SECTION 4 – FIRST AID MEASURES

- Swallowed: Give a glass of water. Contact a doctor or Poisons Information Centre.
- Eye: Flush eyes with water. Contact a doctor or Poisons Information Centre if irritation persists.
- Skin: Wash skin with soap and water if irritation persists.
- Inhaled: If breathing difficulties occur, remove person to fresh air and monitor.

Aggravated medical conditions caused by exposure:

Excessive close contact may cause localised freezing of tissue. Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing media: Aerosols are Class 2.1 Dangerous Goods. Aerosols will explode if subjected to temperatures above 50°C. Use water or water-spray extinguishing media to keep containers cool. Product bulk is flammable but water soluble.

Hazards from combustion products: Aerosols represent a fire and explosion hazard. When heated to decomposition, fumes including carbon monoxide and carbon dioxide may be produced.

Special protective precautions and equipment for fire fighters: aerosols will explode at temperatures above 50°C

Hazchem Code: 2YE

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Eliminate sources of ignition. Leaking cans may explode. Do not handle distorted cans.

Methods and materials for containment and clean up:

Eliminate ignition sources. For small spills (less than one litre), wipe area with a wet mop/cloth and rinse spill area and cloth with water. For large spills, absorb any escaped liquid with an inert absorbent material (sand, vermiculite). Dispose of waste in accordance with local, state and federal regulations. Collect un-ruptured and undistorted units for assessment by owner.

MATERIAL SAFETY DATA SHEET

SECTION 7 – HANDLING AND STORAGE

- Precautions for safe handling: Keep out of reach of children. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition – no smoking. Do not handle distorted cans.
- Conditions for safe storage: Keep out of reach of children. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Keep away from sources of ignition – no smoking.
- Incompatibilities: Temperatures exceeding 50°C. Direct sunlight.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards	Chemical Name	TWA *	8hr TWA	15 minute STEL
	Ethanol	1880 mg/m ³	1000 mg/ m ³	
	Butane	1900 mg/m ³	766 mg/ m ³	958 mg/ m ³
	Propane	(asphyxiant)		

* Worksafe Australia Standards

- Biological limit values: Acute Oral LD₅₀ = 7060 mg/kg(Rat), Inhalation LC₅₀ = 20 000 ppm/10 Hrs (Rat) (based on 100% Ethanol)
- Engineering controls: Use local exhaust ventilation when handling powdered resins. Eliminate ignition sources when mixing or handling liquid bulk. Use aerosols in a well ventilated area, away from all ignition sources. Ensure natural and/or mechanical ventilation (eg. exhaust fan) is adequate to ensure concentrations remain below exposure standards and explosion levels.
- Personal protective equipment: Ensure good industrial hygiene practice. Eye protection should be worn when handling bulk product, even if wearing contact lenses. Wear gloves for extended contact with product bulk.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Following properties for product bulk (unless indicated otherwise)

Appearance	Aerosol, clear, colourless
Odor	sweet, alcohol-like
pH	Not applicable
Initial boiling point	Not applicable
Flash point	Not applicable
Viscosity (kinematic)	Not applicable
Explosive properties	Not applicable
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Soluble
Solidification temperature	Not applicable
Melting point	Not applicable
Flammability	Not applicable
Vapor density	Not applicable
Oxidising properties	Not applicable
Container pressure (25 °C (77 °F))	3,03 - 3,79 bar

Product bulk is flammable.

MATERIAL SAFETY DATA SHEET

SECTION 10 – STABILITY AND REACTIVITY

Chemical stability:	Product bulk is stable under normal conditions. Packaging is stable under normal conditions.
Conditions to avoid:	Nil
Incompatible materials:	Nil
Hazardous decomposition products:	Nil
Hazardous reactions:	None known

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Ethanol denatured 64-17-5	LD50	10.470 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)

Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Ethanol denatured 64-17-5	LD50	> 2.000 mg/kg	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)

Acute inhalative toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Test atmosphere	Exposure time	Species	Method
Ethanol denatured 64-17-5	LC50	124,7 mg/l	vapour	4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity)
Isobutane 75-28-5	LC50	260200 ppm	gas	4 h	mouse	not specified
Propane 74-98-6	LC50	> 800000 ppm	gas	15 min	rat	not specified

Skin corrosion/irritation:

No data available.

MATERIAL SAFETY DATA SHEET

Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Ethanol denatured 64-17-5	irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Ethanol denatured 64-17-5	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

No data available.

Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Butane 106-97-8	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Isobutane 75-28-5	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Isobutane 75-28-5	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Propane 74-98-6	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Propane 74-98-6	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Isobutane 75-28-5	negative	oral: feed		Drosophila melanogaster	not specified
Isobutane 75-28-5	negative	inhalation: gas		rat	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Propane 74-98-6	negative			Drosophila melanogaster	not specified
Propane 74-98-6	negative	inhalation: gas		rat	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Carcinogenicity

No data available.

MATERIAL SAFETY DATA SHEET

Reproductive toxicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Test type	Route of application	Species	Method
Isobutane 75-28-5	NOAEL P 21,4 mg/l NOAEL F1 21,4 mg/l	screening	inhalation: gas	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Propane 74-98-6	NOAEL P 21,6 mg/l NOAEL F1 21,6 mg/l	screening	inhalation: gas	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

STOT-single exposure:

No data available.

STOT-repeated exposure::

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Route of application	Exposure time / Frequency of treatment	Species	Method
Isobutane 75-28-5	NOAEL 9000 ppm	inhalation: gas	28 d 6 h/d, 7 d/w	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Propane 74-98-6		inhalation: gas	28 d 6 h/d, 7 d/w	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Aspiration hazard:

No data available.

SECTION 12 – ECOLOGICAL INFORMATION

MATERIAL SAFETY DATA SHEET

12.1. Toxicity

Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Ethanol denatured 64-17-5	LC50	> 12.000 - 16.000 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Butane 106-97-8	LC50	27,98 mg/l	96 h		not specified

Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Ethanol denatured 64-17-5	EC50	> 100 mg/l	24 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Butane 106-97-8	EC50	14,22 mg/l	48 h		not specified

Chronic toxicity to aquatic invertebrates

No data available.

Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Ethanol denatured 64-17-5	EC50	> 100 mg/l	24 h	Chlorella pyrenoidosa	OECD Guideline 201 (Alga, Growth Inhibition Test)
Butane 106-97-8	EC50	7,71 mg/l	96 h		not specified

Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Ethanol denatured 64-17-5	IC50	> 1.000 mg/l	3 h	activated sludge	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

12.2. Persistence and degradability

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
Ethanol denatured 64-17-5	readily biodegradable	aerobic	> 70 %	5 d	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

12.3. Bioaccumulative potential

No data available.

MATERIAL SAFETY DATA SHEET

12.4. Mobility in soil

Hazardous substances CAS-No.	LogPow	Temperature	Method
Butane 106-97-8	2,89		EU Method A.8 (Partition Coefficient)
Isobutane 75-28-5	2,88	20 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

12.5. Results of PBT and vPvB assessment

Hazardous substances CAS-No.	PBT / vPvB
Ethanol denatured 64-17-5	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Isobutane 75-28-5	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Propane 74-98-6	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6. Other adverse effects

No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal methods and containers: For liquid bulk, contact local EPA for advice. Transport in plastic (polyethylene) lined, sealed drums. For absorbent material used for spill containment, contact local EPA for directions.

Special precautions for landfill or incineration: Nil

SECTION 14 – TRANSPORT INFORMATION

UN Number: 1950
UN Proper Shipping Name: AEROSOLS
Class and subsidiary risk: 2.1
Packaging Group: Not applicable
Special precautions for user: Nil
Hazchem Code: 2YE

SECTION 15 – REGULATORY INFORMATION

There is no known regulatory status of this material, or its ingredients, under Australian health, safety or environmental legislation. Furthermore, there is no additional national or international regulatory information.

Approval Code: HSR002552

Group Name: Cosmetic Products Group Standard

HSNO Controls: Refer to the EPA website for more information: www.epa.govt.nz

SECTION 16 – OTHER INFORMATION

Date of preparation/last revision: 29/09/21

Acronyms/abbreviations used in this Material Safety Data Sheet:

MATERIAL SAFETY DATA SHEET

EPA
TWA
STEL

Environment Protection Authority
Time Weighted Averages
Short Term Exposure Limit

Literature References:

Nil

Sources for data:

None listed

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapor.

H280 Contains gas under pressure; may explode if heated.

H319 Causes serious eye irritation.