

SAFETY DATA SHEET FOR PAINT AND COATINGS

in accordance to Regulation (EC) No1907/2006

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Product name : NUVA UV-A curable Filler Putty (500g.)
Features Kinds : UV curing PAINT
Product code : 110001 (16.178.02.10)

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

Usage : For professional use only
Field : Automotive Repair
Use of the substance/mixture : Body filler

Use advised against : No additional information available

1.3 Detail of the supplier of the safety datasheet

Name : SpectraPro distribution
Address : 40 St-Germain Est, Rimouski (Québec) Canada G5L 1A2
Section : Technical Department
Email : info@nuvaglobal.com
Phone No : +1-418-724-4105
Fax No : +1-418-722-6108

1.4 Emergency telephone number

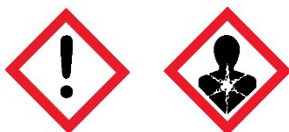
Emergency Phone No : +1-418-724-4105

SECTION 2: Hazardous identification**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 (CLP)**

Skin Irritation, 2	H315
Skin Sens., 1	H317
Eye Irritation, 2	H319
Specific Target Organ Toxicity – Single exposure, 3	H335
Acute Tox, 4	H302
Aquatic acute, 1	H400
Aquatic Chronic, 2	H411

2.2 Label elements

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



Hazard statements (CLP):

H302 – Harmful if swallowed.

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H319 – Causes serious eye irritation.

H335 – May cause respiratory irritation.

Environment statements (CLP):

H410 – Very toxic to aquatic life with long lasting effects.

H412 – Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP):

P202 – Do not handle until all safety precautions have been read and understood.

P261 – Avoid breathing dust.

P273 – Avoid release to the environment.

P280 – Wear protective gloves, protective clothing and eye protection.

P314 – Get medical attention if you feel unwell.

2.3 Other hazards

No applicable information found.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Component and concentration of dangerous and hazardous materials

Name	Product identifier	Content (%)	Classification according to Regulation (EC) No. 1272/2008 (CLP)
Magnesium silicate monohydrate (Talc) H203Si.3/4Mg	Cas No.: 14807-96-6 EC/List No.: 238-877-9	35 - 40	No hazards classified
Acrylic monomer (1-methyl-1,2-ethanediy)bis[oxy (methyl-2,1-ethanediy)] diacrylate	Cas No.: 42978-66-5 EC/List No.: 256-032-2	25 - 30	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 2, H411

Additives 2-hydroxy-2-methylpropiophenone	Cas No.: 7473-98-5 EC/List No.: 231-272-0	1 - 5	Acute Tox. 4, H302 Aquatic Acute 1, H400 Aquatic Chronic 3, H412 Aquatic Chronic 1, H410 Skin Sens. 1, H317
Matting agent Dioxosilane	Cas No.: 7631-86-9 EC/List No.: 231-545-4	1 - 5	Eye Irrit. 2, H319 STOT SE 3, H335

SECTION 4: First aid measures

The information consists of necessary first-aid instructions by relevant routes of exposure (inhalation, skin and eye contact, and ingestion)

4.1 Description of first aid measures

INHALATION:

Primary route: No significant signs or symptoms indicative of any adverse health hazard are expected to occur at standard conditions due to the low volatility of this material. However, aerosols, or vapors which may be generated at elevated processing temperatures, may cause respiratory tract irritation. Symptoms of irritation may include coughing, mucous production and shortness of breath.

First aid measures: Remove the victim from the contamination immediately to fresh air. If breathing is weak, irregular or has stopped, open his airway, loosen his collar and belt and administer artificial respiration. Keep the victim warm and quiet. And refer for medical attention.

EYE CONTACT

Primary route: Although no appropriate human or animal health effects data are known to exist, this material is expected to cause eye irritation. May cause moderate irritation, including burning sensation, tearing, redness or swelling.

First aid measures: Gently rinse the affected eyes with clean water for at least 15 minutes. Ask the victim to look up, down and side to side you rinse in order to better reach all parts of eyes. Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.

SKIN CONTACT

Primary route: Although no appropriate human or animal health effects data are known to exist, this material is expected to be a health hazard by skin absorption or irritant. May cause delayed skin irritation and blistering. Repeated or prolonged skin contact may cause a more severe skin response such as ulcers and scarring. Although, no appropriate human or animal health effects data are known to exist, this material may cause an allergic skin reaction (sensitization) in susceptible individuals upon repeated exposure.

First aid measures: Remove all contaminated clothing, shoes, socks from the affected areas as quickly as possible. Wash the affected areas with plenty of running water using a mild soap or skin shampoo.

INGESTION

Primary route: Although no appropriate human or animal health effects data are known to exist, this material is expected to be a slight ingestion hazard.

First aid measures: Do not induce vomiting. And refer for medical attention. Never give anything by mouth to someone who is unconscious or convulsing.

4.2 Most important symptoms and effects, both acute and delayed

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

This material or its emissions may induce an allergic or sensitization reaction and thereby aggravate systemic disease.

4.3 Indication of immediate medical attention and special treatment need

None required under normal conditions of use. Seek medical attention immediately in case of emergency.

SECTION 5: Firefighting measures

5.1 Extinguishing Media

Suitable extinguishing media

Water:	<input type="checkbox"/>		Carbon dioxide:	<input checked="" type="checkbox"/>		Foam:	<input checked="" type="checkbox"/>
Dry chemical:	<input checked="" type="checkbox"/>		Sand:	<input type="checkbox"/>		Others:	<input type="checkbox"/>

5.2 Special hazards arising from the substance or mixture

This product is not considered a fire hazard. No further relevant information available.

5.3 Advice for firefighter

Do not enter fire area without proper protection.

Fight fire from safe distance / protected location.

Heat / impurities may increase temperature / build pressure / rupture closed containers, spreading fire, increasing risk of burns / injuries.

Water may be ineffective in firefighting due to low solubility.

Use water spray / fog for cooling.

Pressure relief system may plug with solids, increasing risk of overpressure.

Notify authorities if liquid enters sewer / public waters. Toxic gasses (carbon monoxide) will form upon combustion.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas.

Evacuate non-essential personnel.

Shut off all sources of ignition.

No flares, smoking or flames in area.

Wear proper protective equipment.

6.2 Environmental precautions

Do not wash away into shower, watercourse or river.

6.3 Methods and material for containment and cleaning up

For small spills, absorb spill with inert material (e.g. dry sand or earth) then, place in a chemical waste container using non-sparking tools.

For large spills, dike for later disposal. In case of spills at clean room, wipe off by paper towel.

6.4 Reference to other sections

See section 8 for more information about personal equipment.

See section 13 for more information about disposal instructions.

SECTION 7: Handling and storage

7.1 Conditions for safe handling

Avoid release of this material into sewer or waterways.

In case of handling, should be wore proper protective equipment to avoid contact and inhalation.

7.2 Conditions for safe storage, including any incompatibilities

Recommended storage temperature: below 35 °C.

Store in a well-ventilated place.

Store product closed and always in original packaging.

Keep away from heat and sunlight.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

Chemical name: Magnesium silicate monohydrate (Talc)	CAS No.: 14807-96-6
TWA: 2mg/m ³ (8hr)	
STEL: 32mg/m ³ (15min.)	
OSHA/PEL: No exposure limit established	
ACGIH/TLV : No exposure limit established	
Not classified as a human carcinogen	
Chemical name: Silicon dioxide	CAS No.: 7631-86-9
TWA: 6mg/m ³ (inhalable dust), TWA: 2.4mg/m ³ (respirable dust)	
DNEL industry: 4mg/m ³ (respirable fraction)	

8.2 Exposure controls

Appropriate engineering controls:

Handle with accordance with good industrial hygiene and safety practice.

Always wash hands and face after working with this product.

Promptly remove soiled clothing / wash thoroughly before reuse. Shower after work using plenty of soap and water.

Respiratory protection:

If this material is handled at elevated temperature or under mist forming conditions, NIOSH/ MSHA approved respiratory protection equipment should be used.

Where protection from nuisance levels of dust is desired, use type N95 (US) or type P1 (EN 143) dust masks.

Eye protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Protective gloves

Material: Nitrile rubber	Break through time: 480 min
Mimumum layer thickness: 0.11mm	Standard: EN374

Control of environment exposure:

Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: Solid
Odor	: With acrylic odor
Vapor pressure	: No information
Solubility in water	: Negligible
pH	: Not applicable
Explosive properties	: No information
Flash point	: 196°C
Ignition point	: Not Applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal condition.

10.2 Chemical stability

Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur during storage and handling under normal condition.

Hazardous polymerization will not occur during storage and handling under normal condition.

10.4 Conditions to avoid

High temperature, oxidizing conditions, direct sunlight, ultraviolet radiation.

10.5 Incompatible material

Hazardous polymerization may occur. Acrid fumes - smoke/carbon monoxide / carbon dioxide may be released during a fire.

10.6 Hazardous decomposition products

Hazardous polymerization may occur. Acrid fumes - smoke/carbon monoxide / carbon dioxide may be released during a fire. In the event of fire: see Section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Magnesium silicate monohydrate (Talc)

CAS No.: 14807-96-6

Skin corrosion/irritation

Skin – Human, Result: Mild skin irritation – 3h

Carcinogenicity

Carcinogenicity – Rat – Inhalation

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration: tumors.

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP & OSHA.

Silicon dioxide

CAS No.: 7631-86-9

Acute toxicity

Acute Dermal LD50 Rabbit: > 5000 mg/kg Occluded (dermal)

Acute Inhalation LC0 Rat: >= 0.69 mg/l 4.00 hours

Acute Oral LD50 Rat: > 5000 mg/kg

Other information: This product has no known adverse effect on human health.

2-hydroxy-2-methylpropiophenone (Additives)

CAS No.: 7473-98-5

Acute toxicity

Acute Dermal Rat – male and female: 6,929 mg/kg

Acute Inhalation: No data available

Acute Oral LD50 – Rat – male and female: 1,694 mg/kg

Skin corrosion/irritation

Skin – Rabbit, Result: No skin irritation

Serious eye damage/eye irritation

Eyes – Rabbit, Result: No eye irritation

Respiratory or skin sensitisation

Maximisation test (GPMT) – Guinea pig

Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

In vitro assay

S. typhimurium

Result: negative

Carcinogenicity

No component of this product present at level greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA.

Additional Information

Repeated dose Rat – male and female – NOAEL: 300 mg/kg

Acrylic monomer

CAS No.: 42978-66-5

Acute toxicity

Acute Dermal LD50 Rabbit – male and female: > 2,000 mg/kg

Acute Inhalation LCO Rat – male and female – 7h – 0.000545 mg/l

Acute Oral LD50 Rat – male and female: 6,800 mg/kg

Acute Intraperitoneal LD50 – Rat – 345 mg/kg

Remarks: Behavioral: Convulsions or effect on seizure threshold.

Behavioral: Ataxia

Skin corrosion/irritation

Skin – Rabbit, Result: Moderate skin irritation

Serious eye damage/eye irritation

Eyes – Rabbit, Result: Irritating to eyes. – 24h

Respiratory or skin sensitisation

In vitro assay – Mouse, Result: May cause sensitization by skin contact.

Germ cell mutagenicity

Test type: Mouse

Test system: lymphocyte

Metabolic activation: with and without metabolic activation

Result: positive

Additional information: Repeated dose toxicity – Rabbit – male and female – Dermal – LOAEL (Lowest observed adverse effect level) – 500 mg/kg

SECTION 12: Ecological information

NUVA filler putty						CAS No.: -	
Toxicity	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1 Toxicity							No data
12.2 Persistence and degradability							No data
12.3 Bioaccumulative potential							No data
12.4 Mobility in soil							No data
12.5 Results of PBT and vPvB assessment							No data
12.6 Other adverse effects							No data

Acrylic monomer						CAS No.: 42978-66-5	
Toxicity	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1 Toxicity	LC50	96hr	4.6-10	mg/l	Leuciscus idus	-	-
	EC50	48hr	89	mg/l	Daphnia magna	-	-
	EC50	72h	65.9	mg/l	D. subspicatus	-	-
	EC50	30min.	1,000	mg/l	Sludge Treatm.	OECD 209	-
12.2 Persistence and degradability		28d	48	%			Partially biodegradable

2-hydroxy-2-methylpropiophenone (Additives)						CAS No.: 7473-98-5	
Toxicity	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1 Toxicity	EC50	48hr	119	mg/l	Daphnia magna	OECD 202	-
	EC50	72hr	1.85	mg/l	D. subspicatus	OECD 201	-
12.2 Persistence and degradability		28d	90-100	%		OECD 301B	Readily biodegradable

Silicon dioxide						CAS No.: 7631-86-9	
Toxicity	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1 Toxicity	NOEL	72h	10000	mg/l	Algae	-	-
	EC50	24h	10000	mg/l	Daphnia	-	-
	LC0	96hr	10000	mg/l	Zebra danio	-	-
12.2 Persistence and degradability							Not biodegradable
12.3 Bioaccumulative potential							Does not bioaccumulate
12.4 Mobility in soil							Low mobility

SECTION 13: Disposal considerations

Waste paints and opened containers should be asked to dispose with licensed industrial waste treatment company. Do not wash away the water used for cleaning of vessels and equipment into shower or water way. The waste producing from process of water refinishing and of incineration should be disposed of in accordance with governmental laws and environmental control regulations or asked to dispose with licensed special company.

SECTION 14: Transportation Information

UN number: Not applicable

UN class: Not applicable

Further information:

This preparation is non-flammable.

Keep away from strong alkalis, strong acid alkali metals, oxidizing materials, and source of ignition.

International agreements on the transport and packaging.

Packages smaller than or equal to 5kg, not dangerous goods.

SECTION 15: Regulatory information

HSNO Approval Number: HRS002645

HSNO Group Standard: Polymers

HSNO Classification: SKIN IRRITATION – Category 2
EYE IRRITATION – Category 2
SKIN SENSITISATION – Category 1
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE – Category 1
HAZARDOUS TO THE AQUATIC ENVIRONMENT CHRONIC – Category 3
HAZARDOUS TO THE AQUATIC ENVIRONMENT CHRONIC – Category 1
ACUTE ORAL TOXICITY – Category 4

National Inventory	Status
Australia – AICS	Yes
Canada – DSL	Yes
Europe - EINEC	Yes
Japan - ENCA	Yes
USA - TSCA	Yes
New Zealand - NZIoC	Yes
Legend:	Yes = All ingredients are on the inventory No = Not determined or one or more ingredients are not on the inventory and are not exempt from listing (see specific ingredients in brackets)

Regulatory information about this preparation in your country or region should be examined by your own responsibility.

SECTION 16: Other information

This SDS is intended to provide a summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered to be dependable and is accurate to the best of the Company's knowledge. However, the information is provided without any representation or warranty, expressed, or implied regarding its accuracy or correctness. The Company cannot assume responsibility for adverse events which may occur in the use and/or misuse of this product and expressly disclaims liability for loss, damage and/or expense arising out of or in any way connected with the handling, storage, use and/or disposal of this product.

We reserve the right to revise SDS periodically as new Information becomes available.

SAFETY DATA SHEET FOR PAINT AND COATINGS

in accordance to Regulation (EC) No1907/2006



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

1.1 Product identifier

Product name : NUVA UV-A curable Refinish Putty (250g.)
 Features Kinds : UV curing PAINT
 Product code : 120000 (16.178.02.15)

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

Usage : For professional use only
 Field : Automotive Repair
 Use of the substance/mixture : Body refinishing

 Use advised against : No additional information available

1.3 Detail of the supplier of the safety datasheet

Name : SpectraPro distribution
 Address : 40 St-Germain Est, Rimouski (Québec) Canada G5L 1A2
 Section : Technical Department
 Email : info@nuvaglobal.com
 Phone No : +1-418-724-4105
 Fax No : +1-418-722-6108

1.4 Emergency telephone number

Emergency Phone No : +1-418-724-4105

SECTION 2: Hazardous identification

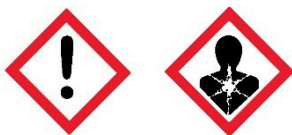
2.1 Classification of the substance or mixture

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

Skin Irritation, 2	H315
Skin Sens., 1	H317
Eye Irritation, 2	H319
Specific Target Organ Toxicity – Single exposure, 3	H335
Acute Tox, 4	H302
Aquatic acute, 1	H400
Aquatic Chronic, 2	H411

2.2 Label elements

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



Hazard statements (CLP):

H302 – Harmful if swallowed.

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H319 – Causes serious eye irritation.

H335 – May cause respiratory irritation.

Environment statements (CLP):

H410 – Very toxic to aquatic life with long lasting effects.

H412 – Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP):

P202 – Do not handle until all safety precautions have been read and understood.

P261 – Avoid breathing dust.

P273 – Avoid release to the environment.

P280 – Wear protective gloves, protective clothing and eye protection.

P314 – Get medical attention if you feel unwell.

2.3 Other hazards

No applicable information found.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Component and concentration of dangerous and hazardous materials

Name	Product identifier	Content (%)	Classification according to Regulation (EC) No. 1272/2008 (CLP)
Magnesium silicate monohydrate (Talc) H2O3Si.3/4Mg	Cas No.: 14807-96-6 EC/List No.: 238-877-9	45 - 50	No hazards classified
Acrylic monomer (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	Cas No.: 42978-66-5 EC/List No.: 256-032-2	30 - 35	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 2, H411

Additives 2-hydroxy-2-methylpropiophenone	Cas No.: 7473-98-5 EC/List No.: 231-272-0	1 - 5	Acute Tox. 4, H302 Aquatic Acute 1, H400 Aquatic Chronic 3, H412 Aquatic Chronic 1, H410 Skin Sens. 1, H317
Matting agent Dioxosilane	Cas No.: 7631-86-9 EC/List No.: 231-545-4	1 - 5	Eye Irrit. 2, H319 STOT SE 3, H335

SECTION 4: First aid measures

The information consists of necessary first-aid instructions by relevant routes of exposure (inhalation, skin and eye contact, and ingestion)

4.1 Description of first aid measures

INHALATION:

Primary route: No significant signs or symptoms indicative of any adverse health hazard are expected to occur at standard conditions due to the low volatility of this material. However, aerosols, or vapors which may be generated at elevated processing temperatures, may cause respiratory tract irritation. Symptoms of irritation may include coughing, mucous production and shortness of breath.

First aid measures: Remove the victim from the contamination immediately to fresh air. If breathing is weak, irregular or has stopped, open his airway, loosen his collar and belt and administer artificial respiration. Keep the victim warm and quiet. And refer for medical attention.

EYE CONTACT

Primary route: Although no appropriate human or animal health effects data are known to exist, this material is expected to cause eye irritation. May cause moderate irritation, including burning sensation, tearing, redness or swelling.

First aid measures: Gently rinse the affected eyes with clean water for at least 15 minutes. Ask the victim to look up, down and side to side you rinse in order to better reach all parts of eyes. Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.

SKIN CONTACT

Primary route: Although no appropriate human or animal health effects data are known to exist, this material is expected to be a health hazard by skin absorption or irritant. May cause delayed skin irritation and blistering. Repeated or prolonged skin contact may cause a more severe skin response such as ulcers and scarring. Although, no appropriate human or animal health effects data are known to exist, this material may cause an allergic skin reaction (sensitization) in susceptible individuals upon repeated exposure.

First aid measures: Remove all contaminated clothing, shoes, socks from the affected areas as quickly as possible. Wash the affected areas with plenty of running water using a mild soap or skin shampoo.

INGESTION

Primary route: Although no appropriate human or animal health effects data are known to exist, this material is expected to be a slight ingestion hazard.

First aid measures: Do not induce vomiting. And refer for medical attention. Never give anything by mouth to someone who is unconscious or convulsing.

4.2 Most important symptoms and effects, both acute and delayed

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

This material or its emissions may induce an allergic or sensitization reaction and thereby aggravate systemic disease.

4.3 Indication of immediate medical attention and special treatment need

None required under normal conditions of use. Seek medical attention immediately in case of emergency.

SECTION 5: Firefighting measures

5.1 Extinguishing Media

Suitable extinguishing media

Water:	<input type="checkbox"/>		Carbon dioxide:	<input checked="" type="checkbox"/>		Foam:	<input checked="" type="checkbox"/>
Dry chemical:	<input checked="" type="checkbox"/>		Sand:	<input type="checkbox"/>		Others:	<input type="checkbox"/>

5.2 Special hazards arising from the substance or mixture

This product is not considered a fire hazard. No further relevant information available.

5.3 Advice for firefighter

Do not enter fire area without proper protection.

Fight fire from safe distance / protected location.

Heat / impurities may increase temperature / build pressure / rupture closed containers, spreading fire, increasing risk of burns / injuries.

Water may be ineffective in firefighting due to low solubility.

Use water spray / fog for cooling.

Pressure relief system may plug with solids, increasing risk of overpressure.

Notify authorities if liquid enters sewer / public waters. Toxic gasses (carbon monoxide) will form upon combustion.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas.

Evacuate non-essential personnel.

Shut off all sources of ignition.

No flares, smoking or flames in area.

Wear proper protective equipment.

6.2 Environmental precautions

Do not wash away into shower, watercourse or river.

6.3 Methods and material for containment and cleaning up

For small spills, absorb spill with inert material (e.g. dry sand or earth) then, place in a chemical waste container using non-sparking tools.

For large spills, dike for later disposal. In case of spills at clean room, wipe off by paper towel.

6.4 Reference to other sections

See section 8 for more information about personal equipment.

See section 13 for more information about disposal instructions.

SECTION 7: Handling and storage

7.1 Conditions for safe handling

Avoid release of this material into sewer or waterways.

In case of handling, should be wore proper protective equipment to avoid contact and inhalation.

7.2 Conditions for safe storage, including any incompatibilities

Recommended storage temperature: below 35 °C.

Store in a well-ventilated place.

Store product closed and always in original packaging.

Keep away from heat and sunlight.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

Chemical name: Magnesium silicate monohydrate (Talc)	CAS No.: 14807-96-6
TWA: 2mg/m ³ (8hr)	
STEL: 32mg/m ³ (15min.)	
OSHA/PEL: No exposure limit established	
ACGIH/TLV : No exposure limit established	
Not classified as a human carcinogen	
Chemical name: Silicon dioxide	CAS No.: 7631-86-9
TWA: 6mg/m ³ (inhalable dust), TWA: 2.4mg/m ³ (respirable dust)	
DNEL industry: 4mg/m ³ (respirable fraction)	

8.2 Exposure controls

Appropriate engineering controls:

Handle with accordance with good industrial hygiene and safety practice.

Always wash hands and face after working with this product.

Promptly remove soiled clothing / wash thoroughly before reuse. Shower after work using plenty of soap and water.

Respiratory protection:

If this material is handled at elevated temperature or under mist forming conditions, NIOSH/ MSHA approved respiratory protection equipment should be used.

Where protection from nuisance levels of dust is desired, use type N95 (US) or type P1 (EN 143) dust masks.

Eye protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Protective gloves

Material: Nitrile rubber

Mimimum layer thickness: 0.11mm

Break through time: 480 min

Standard: EN374

Control of environment exposure:

Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: Solid
Odor	: With acrylic odor
Vapor pressure	: No information
Solubility in water	: Negligible
pH	: Not applicable
Explosive properties	: No information
Flash point	: 196°C
Ignition point	: Not Applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal condition.

10.2 Chemical stability

Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur during storage and handling under normal condition.

Hazardous polymerization will not occur during storage and handling under normal condition.

10.4 Conditions to avoid

High temperature, oxidizing conditions, direct sunlight, ultraviolet radiation.

10.5 Incompatible material

Hazardous polymerization may occur. Acrid fumes - smoke/carbon monoxide / carbon dioxide may be released during a fire.

10.6 Hazardous decomposition products

Hazardous polymerization may occur. Acrid fumes - smoke/carbon monoxide / carbon dioxide may be released during a fire. In the event of fire: see Section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Magnesium silicate monohydrate (Talc)

CAS No.: 14807-96-6

Skin corrosion/irritation

Skin – Human, Result: Mild skin irritation – 3h

Carcinogenicity

Carcinogenicity – Rat – Inhalation

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration: tumors.

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP & OSHA.

Silicon dioxide

CAS No.: 7631-86-9

Acute toxicity

Acute Dermal LD50 Rabbit: > 5000 mg/kg Occluded (dermal)

Acute Inhalation LC0 Rat: >= 0.69 mg/l 4.00 hours

Acute Oral LD50 Rat: > 5000 mg/kg

Other information: This product has no known adverse effect on human health.

2-hydroxy-2-methylpropiophenone (Additives)

CAS No.: 7473-98-5

Acute toxicity

Acute Dermal Rat – male and female: 6,929 mg/kg

Acute Inhalation: No data available

Acute Oral LD50 – Rat – male and female: 1,694 mg/kg

Skin corrosion/irritation

Skin – Rabbit, Result: No skin irritation

Serious eye damage/eye irritation

Eyes – Rabbit, Result: No eye irritation

Respiratory or skin sensitisation

Maximisation test (GPMT) – Guinea pig

Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

In vitro assay

S. typhimurium

Result: negative

Carcinogenicity

No component of this product present at level greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA.

Additional Information

Repeated dose Rat – male and female – NOEL: 300 mg/kg

Acrylic monomer

CAS No.: 42978-66-5

Acute toxicity

Acute Dermal LD50 Rabbit – male and female: > 2,000 mg/kg

Acute Inhalation LC0 Rat – male and female – 7h – 0.000545 mg/l

Acute Oral LD50 Rat – male and female: 6,800 mg/kg

Acute Intraperitoneal LD50 – Rat – 345 mg/kg

Remarks: Behavioral: Convulsions or effect on seizure threshold.

Behavioral: Ataxia

Skin corrosion/irritation

Skin – Rabbit, Result: Moderate skin irritation

Serious eye damage/eye irritation

Eyes – Rabbit, Result: Irritating to eyes. – 24h

Respiratory or skin sensitisation

In vitro assay – Mouse, Result: May cause sensitization by skin contact.

Germ cell mutagenicity

Test type: Mouse

Test system: lymphocyte

Metabolic activation: with and without metabolic activation

Result: positive

Additional information: Repeated dose toxicity – Rabbit – male and female – Dermal – LOEL (Lowest observed adverse effect level) – 500 mg/kg

SECTION 12: Ecological information

NUVA refinish putty						CAS No.: -	
Toxicity	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1 Toxicity							No data
12.2 Persistence and degradability							No data
12.3 Bioaccumulative potential							No data
12.4 Mobility in soil							No data
12.5 Results of PBT and vPvB assessment							No data
12.6 Other adverse effects							No data

Acrylic monomer						CAS No.: 42978-66-5	
Toxicity	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1 Toxicity	LC50	96hr	4.6-10	mg/l	Leuciscus idus	-	-
	EC50	48hr	89	mg/l	Daphnia magna	-	-
	EC50	72h	65.9	mg/l	D. subspicatus	-	-
	EC50	30min.	1,000	mg/l	Sludge Treatm.	OECD 209	-
12.2 Persistence and degradability		28d	48	%			Partially biodegradable

2-hydroxy-2-methylpropiophenone (Additives)						CAS No.: 7473-98-5	
Toxicity	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1 Toxicity	EC50	48hr	119	mg/l	Daphnia magna	OECD 202	-
	EC50	72hr	1.85	mg/l	D. subspicatus	OECD 201	-
12.2 Persistence and degradability		28d	90-100	%		OECD 301B	Readily biodegradable

Silicon dioxide						CAS No.: 7631-86-9	
Toxicity	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1 Toxicity	NOEL	72h	10000	mg/l	Algae	-	-
	EC50	24h	10000	mg/l	Daphnia	-	-
	LC0	96hr	10000	mg/l	Zebra danio	-	-
12.2 Persistence and degradability							Not biodegradable
12.3 Bioaccumulative potential							Does not bioaccumulate
12.4 Mobility in soil							Low mobility

SECTION 13: Disposal considerations

Waste paints and opened containers should be asked to dispose with licensed industrial waste treatment company. Do not wash away the water used for cleaning of vessels and equipment into shower or water way. The waste producing from process of water refinishing and of incineration should be disposed of in accordance with governmental laws and environmental control regulations or asked to dispose with licensed special company.

SECTION 14: Transportation Information

UN number: Not applicable

UN class: Not applicable

Further information:

This preparation is non-flammable.

Keep away from strong alkalis, strong acid alkali metals, oxidizing materials, and source of ignition.

International agreements on the transport and packaging.

Packages smaller than or equal to 5kg, not dangerous goods.

SECTION 15: Regulatory information

HSNO Approval Number: HRS002645

HSNO Group Standard: Polymers

HSNO Classification: SKIN IRRITATION – Category 2
EYE IRRITATION – Category 2
SKIN SENSITISATION – Category 1
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE – Category 1
HAZARDOUS TO THE AQUATIC ENVIRONMENT CHRONIC – Category 3
HAZARDOUS TO THE AQUATIC ENVIRONMENT CHRONIC – Category 1
ACUTE ORAL TOXICITY – Category 4

National Inventory	Status
Australia – AICS	Yes
Canada – DSL	Yes
Europe - EINEC	Yes
Japan - ENCA	Yes
USA - TSCA	Yes
New Zealand - NZIoC	Yes
Legend:	Yes = All ingredients are on the inventory No = Not determined or one or more ingredients are not on the inventory and are not exempt from listing (see specific ingredients in brackets)

Regulatory information about this preparation in your country or region should be examined by your own responsibility.

SECTION 16: Other information

This SDS is intended to provide a summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered to be dependable and is accurate to the best of the Company's knowledge. However, the information is provided without any representation or warranty, expressed, or implied regarding its accuracy or correctness. The Company cannot assume responsibility for adverse events which may occur in the use and/or misuse of this product and expressly disclaims liability for loss, damage and/or expense arising out of or in any way connected with the handling, storage, use and/or disposal of this product.

We reserve the right to revise SDS periodically as new Information becomes available.