1. Identification of the substance/mixture and of the company/undertaking

Product name	SYROX MIXING TINT S604 EXTRA FINE BRILLIANT SILVER
Product code	S604

Intended use of the substance/preparation
Coating for professional use

Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	

Emergency Information

Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-11-23

2. Hazards identification

Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1D
Skin corrosion/irritation	Category 6.3B

Endpoints which are “not classified”, “cannot classified” and “not applicable” are not shown.

GHS-Labelling

Hazard symbols	Not classified according to GHS criteria
Signal word	Warning
Hazard statements	Combustible liquid Causes mild skin irritation.
Precautionary statements	Keep away from open flames/hot surfaces. - No smoking. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification
Safety data sheet available for professional user on request.

3. Composition/information on ingredients

Pure substance/mixture
Mixture

Hazardous components

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CAS-No.	Chemical Name	Concentration	GHS Haz-ardous
71-41-0	pentan-1-ol	5 - 10%	√
7429-90-5	aluminium powder (stabilized)	3 - 5%	√
107-98-2	1-methoxy-2-propanol	3 - 5%	√
67-64-1	acetone	0.3 - 1.0%	√
34590-94-8	(2-methoxymethylethoxy)propanol	0.3 - 1.0%	
7631-86-9	amorphous Silica	0.1 - 0.3%	
67-63-0	propan-2-ol	0.1 - 0.3%	√
108-10-1	4-methylpentan-2-one	0.1 - 0.3%	√
108-01-0	2-dimethylaminoethanol	0.1 - 0.3%	√
121-44-8	triethylamine	0.1 - 0.3%	√

Non-regulated ingredients 80 - 90%

4. First aid measures

Eye contact
Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact
Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation
Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion
If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation
May cause nose and throat irritation. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion
May result in gastrointestinal distress.

Skin or eye contact
May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician
No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

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5. Firefighting measures

Suitable extinguishing media
Water spray, Dry chemical, Foam.

Extinguishing media which shall not be used for safety reasons
High volume water jet Water spray

Specific hazards
The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures
Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions
Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions
Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up
Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice
Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage
Suitable storage conditions
Observe label precautions. Refer to Technical Data Sheet (TDS) for further information about storage temperature. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage
Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits
Workplace Exposure Standards (WESs) 2002

Chemical Name		
aluminium powder (stabilized)	TWA	5 mg/m3
1-methoxy-2-propanol	TWA	100 ppm
	STEL	150 ppm
	STEL	553 mg/m3

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Chemical Name		
	TWA	369 mg/m3
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m3
	TWA	1,185 mg/m3
(2-methoxymethylethoxy)propanol	TWA	100 ppm
	STEL	150 ppm
	STEL	909 mg/m3
	TWA	606 mg/m3
amorphous Silica	TWA	10 mg/m3
propan-2-ol	TWA	400 ppm
	STEL	500 ppm
	STEL	1,230 mg/m3
	TWA	983 mg/m3
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m3
	TWA	205 mg/m3
2-dimethylaminoethanol	TWA	2 ppm
	STEL	6 ppm
	STEL	22 mg/m3
	TWA	7.4 mg/m3
triethylamine	TWA	3 ppm
	STEL	5 ppm
	STEL	20 mg/m3
	TWA	12 mg/m3

Engineering measures
Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment
Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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Eye protection
Wear protective eyewear for protection against solvent spatter.

Hand protection
The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection
Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures
Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: aluminum Odor Threshold : no data available

pH	7 – 9	
Freezing point	Not applicable.	
Boiling point	100 °C	
Flash point	65 °C	ISO 3679
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10 % based on organic solvents	
Lower explosion limit	1.4 % based on organic solvents	
Vapour pressure	1.8 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	1.02 g/cm^3	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	270 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

Does not sustain combustion.

10. Stability and reactivity

Stability
Stable

Hazardous polymerisation
Will not occur.

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Conditions to avoid
Stable under recommended storage and handling conditions (see section 7).

Materials to avoid
Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products
When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation
May cause nose and throat irritation. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion
May result in gastrointestinal distress.

Skin or eye contact
May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity
not hazardous

Acute dermal toxicity
not hazardous

Acute inhalation toxicity
not hazardous

% of unknown composition 8.7 %

Skin corrosion/irritation

pentan-1-ol	Category 2
acetone	Category 3
4-methylpentan-2-one	Category 3
2-dimethylaminoethanol	Category 1B
triethylamine	Category 1A

Serious eye damage/eye irritation
Not classified according to GHS criteria

Respiratory sensitisation
Not classified according to GHS criteria

Skin sensitisation
Not classified according to GHS criteria

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Germ cell mutagenicity
Not classified according to GHS criteria

Carcinogenicity
Not classified according to GHS criteria

Toxicity for reproduction
Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure
Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure
Not classified according to GHS criteria

Aspiration toxicity
Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)
No information available.

Symptoms related to the physical, chemical and toxicological characteristics
Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects
There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability
No information available.

Bioaccumulation
No information available.

Mobility in soil
No information available.

Other adverse effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods
Dispose of in accordance with local regulations.

Disposal considerations
A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

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14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation
Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002657
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Flammable liquids	Category 3.1D

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2015-11-23
B13157789	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

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