



Safety Data Sheet

Revised Date: 2/Jan/2019

Doc No.: SDS - TH0002 Rev 01

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : Thinner 819 (S-Thinner)
Lacquer Thinner AAA (S-Thinner)
Auto Lacquer Thinner AAA
Intended Use : Thinner
Distributor's Information
Name : Betex Chemicals (S) Pte Ltd
Address : 20 Tuas Ave 8, Singapore 639235
Telephone Number : +65 6861 5200
Fax No. : +65 6546 3855

2. HAZARDS IDENTIFICATION

GHS Classification : Flammable Liquid - Category 2
Acute toxicity (oral) - Category 1
Acute toxicity (dermal) - Category 3
Acute toxicity (Inhalation) - Category 3
Skin corrosion/ irritant - Category 2
Serious Eye damage/ irritation - Category 2
Reproductive toxicity - Category 1
Specific target organ toxicity (single exposure) - Category 1
Specific target organ toxicity (repeated exposure) - Category 2
Aspiration Hazard - Category 1
Acute Hazards & Aquatic Environment - Category 2

Symbol



Signal Words : Danger

Hazard Statement : H225: Highly flammable liquid and vapour
H300: Fatal if swallowed
H304: May be fatal if swallowed and enters airways



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H311: Toxic in contact with skin
H315: Causes skin irritation
H319: Causes serious eye irritation
H331: Toxic if inhaled
H360: May damage fertility or the unborn child
H370: Causes damage to organs
H373: May cause damage to organs through prolonged or repeated exposure
H401: Toxic to aquatic life

Precautionary Statement :

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/light/.../equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P261: Avoid breathing dust/fume/ gas/mist/vapours/spray.
P264: Wash ... thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P311: Call a POISON CENTER/ doctor/...
P312: Call a POISON CENTER/ doctor/.../if you feel unwell.
P314: Get Medical advice/attention if you feel unwell.
P321: Specific treatment (see ... on this label).
P330: Rinse mouth.
P331: Do NOT induce vomiting.
P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P302+352: IF ON SKIN: Wash with plenty of water/...
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P308+311: IF exposed or concerned: Call a POISON CENTER/ doctor/...
P308+313 : IF exposed or concerned: Get medical advice/ attention.



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P332+313: If skin irritation occurs: Get medical advice/attention.

P337+313: If eye irritation persists get medical advice/attention.

P361+364: Take off immediately all contaminated clothing and wash it before reuse.

P362+364: Take off contaminated clothing and wash it before reuse.

P370+378: In case of fire: Use ... to extinguish.

P405: Store locked up.

P403+235: Store in a well ventilated place. Keep cool.

P403+233: Store in a well ventilated place. Keep container tightly closed.

P501: Dispose of contents/container to *in accordance with local/regional/national/international regulation*

3. COMPOSITION/ INFORMATION AND INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u> <u>CAS Number</u>	<u>Hazard Class</u>	<u>Concentration</u>
Toluene	108-88-3	Flammable Liq., Cat 2 Acute Toxicity (Oral), Cat 5 Acute Toxicity (Inhalation), Cat 4 Skin Corrosion/ Irritation, Cat 2 Eye Damage/ Irritation, Cat 2B Reproductive Toxicant, Cat 1A STOT (SE), Cat 1 Aspiration Hazard, Cat 1 Acute Hazards to Aquatic Env, Cat 2	50 - 60 %
Methanol	67-56-1	Flammable Liq., Cat 2 Acute Toxicity (Oral), Cat 1 Acute Toxicity (Dermal), Cat 3 Acute Toxicity (Inhalation), Cat 3 Eye Damage/ Irritation, Cat 2A Skin Corrosion/ Irritation, Cat 2 Reproductive Toxicant, Cat 2 STOT (SE), Cat 1 STOT (RE), Cat 2	10 - 15 %
Isobutanol	78-83-1	Flammable Liq., Cat 2 Eye Damage/ Irritation, Cat 2A Acute Toxicity (Inhalation), Cat 4 STOT (SE), Cat 3	5 - 10 %



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Acetone	67-64-1	Flammable Liq., Cat 2 Eye Damage/ Irritation, Cat 2B Reproductive Toxicant, Cat 2 STOT (SE), Cat 3 STOT (RE), Cat 2 Aspiration Hazard, Cat 2	2 - 5%
Ethyl Acetate	141-78-6	Flammable Liq., Cat 3 Eye Damage/ Irritation, Cat 2A STOT (SE), Cat 3	2 - 5%
N-Butyl Acetate	123-86-4	Flammable Liq., Cat 3 STOT (SE), Cat 3	2 - 5 %
Methyl Ethyl Ketone	78-93-3	Flammable Liq., Cat 2 Acute Toxicity (Oral), Cat 5 Acute Toxicity (Inhalation), Cat 5 Skin Corrosion/ Irritation, Cat 3 Eye Damage/ Irritation, Cat 2A STOT (SE), Cat 3 Aspiration Hazard, Cat 2	2 - 5 %

4. FIRST AID MEASURES

Skin Contact :

Remove contaminated clothing.

Wash skin with plenty of water, using soap if available.

Eye Contact :

Flush eyes with plenty of water possibly for at least 15 minutes. If irritation persists, obtain medical attention in all cases.

Inhalation :

In cases of exposure to high concentration, do not delay, remove to fresh air and obtain medical attention immediately.

Ingestion :

If swallowed, do NOT induce vomiting unless directed to do so by medical personnel.



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5. FIRE FIGHTING MEASURES

Extinguishing Media:

Water fog, CO₂, Foam, Dry Chemicals, Dry Sand

Note:

Avoid using water as extinguishing media as it spreads the flame.

Do not use a water jet.

Keep adjacent containers cool by spraying with water

6. ACCIDENTAL RELEASE MEASURES

Avoid all sources of ignition (e.g. naked lights, unprotected light bulbs, electric handtools).

Ventilate the area and avoid breathing vapors.

Wear protective clothing and self-contained breathing apparatus when dealing with spillage or fire.

Collect spillage, where practicable, for safe disposal.

Should be disposed of wastes and empty containers in accordance with regulations made under the control of pollution acts and environmental protection acts.

Collect spillage, where practicable, using absorbent material, and dispose of spillage on the floor in safe manner

Do not allow spills to enter drain or water courses

7. HANDLING AND STORAGE

Handling:

Keep away from heat, sparks and flame.

Keep container closed.

Use with adequate ventilation

Wear proper protectors to avoid contact with skin, eyes, mucosa and clothing.

Clean hands and face thoroughly after handling.

Storage:

Keep away from heat and flame.

Store in cool and well-ventilated area.

Keep containers tightly closed.

Keep container standing up. Do not let the container lying down as this might cause spillage.



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8. EXPOSURE CONTROL/ PERSONAL PROTECTION

Engineering Measures:

Prevent vapor build up by providing adequate ventilation during and after use.

Facilities storing or utilizing this material should be equipped with eye wash facility and safety shower

Personal Protection:

Ventilation requirements	:	Area must be well-ventilated
Respiratory	:	Half-face or Full-face air-purifying respiratory with cartridge filters
Eyes	:	Safety goggles
Gloves	:	Rubber gloves
Skin / Hand Protection	:	Wear rubber gloves

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Range	:	56.0 - 171°C
Color	:	Clear, colorless liquid
Specific Gravity (25°C)	:	0.85 ± 0.02
Flash Point	:	-18°C
Flammable Limit in air		
% by volume		
Lower	:	1.10%
Upper	:	36.50%
Autoignition Temperature	:	Not Available

10. STABILITY AND REACTIVITY

Stability	:	Stable under recommended storage and handling conditions.
Hazardous Reaction	:	Generate heat upon contact with oxidizing substances.
Condition to avoid	:	Avoid high temperature and avoid mixing with hazardous combustible products.
Hazardous decomposition products:		None



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11. TOXICOLOGICAL INFORMATION

(Effect of Acute Overexposure)

Skin Contact	:	May cause slight irritation and reddening.
Eye Contact	:	Cause serious eye irritation.
Inhalation	:	Vapor are irritating to eyes, nose and respiratory tract and can cause headache, dizziness, nausea and vomiting.
Swallowing	:	Modelaterly toxic. May cause nausea, abdominal discomfort, vomiting, diarrhoea, dizziness.

12. ECOLOGICAL INFORMATION

Not available

13. DISPOSAL CONSIDERATIONS

The product should not be allowed to inter drains and watercourses.

All clean-up and disposal should be carried out in accordance to the local regulations.

Empty containers should be recycled or disposed through an approved waste management facility.

It is strongly advised not to let the chemical enter into the environment.

14. TRANSPORT INFORMATION

UN Number	:	1263
UN Proper Shipping Name	:	Thinner 819 (S-Thinner) Lacquer Thinner AAA (S-Thinner) Auto Lacquer Thinner AAA
Transport Hazard Class	:	3
Packing Group	:	II
Marine Pollutant	:	No

15. REGULATORY INFORMATION

The information is based on the present state of our knowledge.

Please refer to any other national measures that maybe relevant.

16. OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or completeness.



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Since the conditions of handling, storage, use and disposal are beyond our control and may be beyond our knowledge, for this and other reasons, we make no guarantee of results and assume no liability for damages incurred by the use of this product. Please be reminded that all chemicals may present unknown health hazards and should be used with caution.