

Issue date 07-Feb-2017

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Version 1

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name ThreeBond 6602T

Recommended use of the chemical and restrictions on use

Recommended use Cleaner

Details of the supplier of the safety data sheet

Manufacture

Three Bond Singapore Pte Ltd.
Australia Branch
Factory: 2/38 Jellico dve Scoresby
3179 Melbourne Victoria
Australia
TEL : 61-3-9753-2522
FAX : 61-3-9753-2566

Emergency telephone number

TEL: 0417-350-027 (Mr.Wesley Mallett)

Registration Number(s) No information available

Section 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Physical Hazards

Flammable liquids

Category 2

Health Hazards

Skin corrosion/irritation

Category 2

Serious eye damage/eye irritation

Category 2

Carcinogenicity

Category 1A

Reproductive Toxicity

Category 1A

Specific target organ toxicity (single exposure)

Category 3

Category 3 Respiratory irritation, Narcotic effects.

Specific target organ toxicity (repeated exposure)

Category 2

Category 2 liver, Central nervous system, Digestive System, Respiratory system.

Aspiration toxicity

Category 1

Environmental hazards

Chronic hazards to the aquatic environment

Category 2

Label elements



Signal word Danger

Hazard statements

H225 - Highly flammable liquid and vapor

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

H350 - May cause cancer

H360 - May damage fertility or the unborn child

H373 - May cause damage to organs through prolonged or repeated exposure

H411 - Toxic to aquatic life with long lasting effects

H335 - May cause respiratory irritation

May cause damage to the following organs through prolonged or repeated exposure: liver, Central nervous system, Digestive System, Respiratory system.

Precautionary Statements - Prevention

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Wash face, hands and any exposed skin thoroughly after handling
- Do not breathe dust/fume/gas/mist/vapors/spray
- Use only outdoors or in a well-ventilated area
- Avoid release to the environment.
- Keep away from heat/sparks/open flames/hot surfaces. — No smoking
- Keep container tightly closed
- Ground/bond container and receiving equipment
- Use explosion-proof electrical/ventilating/lighting/equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge
- Keep cool

Precautionary Statements - Response

- IF exposed or concerned: Get medical advice/attention
- For first aid procedure, refer to this SDS.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists: Get medical advice/attention
- If skin irritation occurs: Get medical advice/attention
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- Wash contaminated clothing before reuse
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
- Do NOT induce vomiting
- In case of fire: Use CO₂, dry chemical, or foam for extinction
- Collect spillage

Precautionary Statements - Storage

- Store locked up
- Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

- Dispose of contents/container to an approved waste disposal plant

Other hazards

- May be harmful in contact with skin

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS No. | Weight-% |
|---------------------|----------|----------|
| 2- Methylpentane | 107-83-5 | 50 – 60 |
| 3-Methylpentane | 96-14-0 | 25 – 35 |
| Acetone | 67-64-1 | 1 – 10 |
| Ethyl alcohol | 64-17-5 | 1 – 10 |
| Hexane | 110-54-3 | 1 – 5 |
| 2,3-Dimethylbutane | 79-29-8 | 1 – 5 |
| Methyl cyclopentane | 96-37-7 | 0.1 – 1 |

Section 4: FIRST AID MEASURES

Description of first aid measures

General advice

Call 911 or emergency medical service Remove and isolate contaminated clothing and shoes

Eye contact

In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes

Skin contact

Wash skin with soap and water

Inhalation

Move victim to fresh air If breathing is irregular or stopped, administer artificial respiration Administer oxygen if breathing is difficult

Ingestion

Clean mouth with water and drink afterwards plenty of water

For emergency responders

Self-protection of the first aider

Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves

Most important symptoms and effects, both acute and delayed

Symptoms

No information available

Indication of any immediate medical attention and special treatment needed

Note to physicians

Keep victim warm and quiet

Section 5: FIRE FIGHTING MEASURES

Flammable properties

HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames Containers may explode when heated Many liquids are lighter than water

Suitable extinguishing media

Dry chemical, CO₂, water spray or regular foam Water spray, fog or regular foam Use water spray or fog; do not use straight streams

Unsuitable extinguishing media

CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient

Specific hazards arising from the chemical

Vapors may form explosive mixtures with air Vapors may travel to source of ignition and flash back Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) Vapor explosion hazard indoors, outdoors or in sewers Those substances designated with a "P" may polymerize explosively when heated or involved in a fire Runoff to sewer may create fire or explosion hazard Substance may be transported hot

Protective equipment and precautions for firefighters

Move containers from fire area if you can do it without risk

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) All equipment used when handling the product must be grounded Do not touch or walk through spilled material Stop leak if you can do it without risk

Environmental precautions

Environmental precautions Prevent entry into waterways, sewers, basements or confined areas

Methods and material for containment and cleaning up

Methods for containment A vapor suppressing foam may be used to reduce vapors Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers

Methods for cleaning up

Use clean non-sparking tools to collect absorbed material Dike far ahead of liquid spill for later disposal

Prevention of secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

Other information

Water spray may reduce vapor; but may not prevent ignition in closed spaces

Section 7: HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Ensure adequate ventilation, especially in confined areas

Conditions for safe storage, including any incompatibilities

Storage conditions Keep containers tightly closed in a dry, cool and well-ventilated place

Incompatible materials

No information available

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

| | |
|---------------|--------------|
| Chemical name | ACGIH |
| Ethyl alcohol | TWA 1000 ppm |
| Acetone | TWA 500 ppm |

Appropriate engineering controls

Engineering controls Ensure adequate ventilation, especially in confined areas

Personal protective equipment

| | |
|---------------------------------|------------------------------|
| Eye/face protection | Tight sealing safety goggles |
| Skin and body protection | Suitable protective clothing |
| Hand protection | Rubber gloves |
| Respiratory protection | No information available |

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state Liquid
 Odor No information available
 Color Transparent clear

| <u>Property</u> | <u>Values</u> | <u>Remarks</u> |
|-------------------------------|-------------------|----------------|
| pH | No data available | |
| Melting point/freezing point | No data available | |
| Boiling point / boiling range | No data available | |
| Flash point | -20 °C | |
| Evaporation rate | No data available | |
| Flammability (solid, gas) | | |
| Flammability limit in air | | |
| Upper flammability limit: | No data available | |
| Lower flammability limit: | No data available | |
| Specific gravity | 0.66 | |
| Water solubility | | |
| Autoignition temperature | No data available | |
| Decomposition temperature | No data available | |
| Dynamic viscosity | No data available | |

Section 10: STABILITY AND REACTIVITY

Stability Stable under normal conditions.

Possibility of hazardous reactions React with strong acid. Could cause fire.

Conditions to avoid Heat

Incompatible materials No information available.

Hazardous decomposition products May generate harmful gas by incineration

Section 11: TOXICOLOGICAL INFORMATION

Product Information

Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 63,683.00 mg/kg
 Mist 1,111.20 mg/l

Chronic toxicity

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen

| Chemical name | IARC |
|---------------|---------|
| Ethyl alcohol | Group 1 |

Irritation No information available

| | |
|-------------------------------|--------------------------|
| Corrosivity | No information available |
| Sensitization | No information available |
| Neurological effects | No information available |
| Germ cell mutagenicity | No information available |
| Reproductive toxicity | |
| Developmental toxicity | No information available |
| Target organ effects | No information available |

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

10% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| | |
|--------------------------------------|---------------------------|
| Persistence and degradability | No information available. |
| Bioaccumulation | No information available. |
| Mobility | No information available. |

| Chemical name | Partition coefficient |
|---------------|-----------------------|
| Ethyl alcohol | -0.32 |
| Acetone | -0.24 |

Section 13: DISPOSAL CONSIDERATIONS

Waste from residues / unused products Disposal should be in accordance with applicable regional, national and local laws and regulations

Section 14: TRANSPORT INFORMATION

IMDG

| | |
|-----------------------------|--------------------------|
| UN/ID No. | UN1993 |
| Proper shipping name | FLAMMABLE LIQUID, N.O.S. |
| Hazard class | 3 |
| Packing group | II |
| EmS-No | F-E, S-E |

ICAO/IATA (air)

| | |
|-----------------------------|--------------------------|
| UN/ID No. | UN1993 |
| Proper shipping name | FLAMMABLE LIQUID, N.O.S. |
| Hazard class | 3 |
| Packing group | II |

ADR

| | |
|----------------------|--------------------------|
| UN/ID No. | UN1993 |
| Proper shipping name | FLAMMABLE LIQUID, N.O.S. |
| Hazard class | 3 |
| Labels | 3 |
| Packing group | II |
| ERG code | 3H |
| Environmental hazard | Yes |

| |
|---|
| Section 15: REGULATORY INFORMATION |
|---|

Safety, health and environmental regulations/legislation specific for the substance or mixture**Thailand - Hazardous Substances**

| | |
|---------------|--|
| Chemical name | Thailand - Hazardous Substances |
| Ethyl alcohol | Type 1 Hazardous Substance (Department of Industrial Works) |
| Acetone | Type 3 Hazardous Substance cutoff: >75% w/w (Department of Industrial Works) |

Enhancement and Conservation of National Environmental Quality Act Not applicable

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|--------------------------------------|
| Section 16: OTHER INFORMATION |
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Key literature references and sources for data

ACGIH - Threshold Limit Values
 U.S. - OSHA - Final PELs
 Japan - Recommended Exposure Limits

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Revision note The symbol (*) in the margin of this SDS indicates that this line has been revised.

End of Safety Data Sheet