

Safety Data Sheet

Super Engine Conditioner for Diesel
Revision : A0

Issued Date : 26/08/2016

1. CHEMICAL NAME AND COMPANY NAME

CHEMICAL PRODUCT NAME	Super Engine Conditioner for Diesel 6601 P
NAME OF MANUFACTURER	Three Bond Singapore Pte Ltd.
NAME OF SECTION	Australia Branch Factory: 2/38 Jellico dve Scoresby 3179 Melbourne Victoria Australia
TELEPHONE NUMBER	61-3-9753-2522
FAX NUMBER	61-3-9753-2566

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION

PHYSICAL HAZARDS

Flammable aerosols	Category 1
Flammable liquids	Category 2

HEALTH HAZARDS

Dermal acute toxicity	Category 4
Skin corrosion/ Irritation	Category 1B
STOST after single exposure	Category 3

ENVIRONMENTAL HAZARDS

Acute hazards to the aquatic environment	Category 3
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* Not above mentioned hazard classifications items; Not classified or Not classifiable.

LABEL ELEMENTS

SYMBOL



SIGNAL WORD

Danger

HAZARD STATEMENT

H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapor
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H335	May cause respiratory irritation
H402	Harmful to aquatic life

NOTICE

SAFETY MEASURE

Keep away from heat/ sparks/ open flames/ hot surface.- No smoking
Do not spray on open flame or other ignition source.
Wear appropriate chemical protectors; gloves, glasses when handling.
Use personal protection and ventilation equipment to avoid exposure, if necessary.
Avoid release to the environment.

FIRST AID MEASURE

If you feel unwell, remove victim to fresh air and keep at rest in a position comfortable for breathing.
If on skin: Wash with plenty of soap and water. Remove contaminated clothing.
If skin irritation or rash occurs: Get medical advice, attention.
If in eyes: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice, attention.

STORAGE

Protect from direct sunlight. Store at temperature not exceeding 40°C.
Easily corrodes by splashed water and in humid condition.

DISPOSAL

Solicit waste disposal management experts.

GHS Hazard Communication is mentioned in accordance with Japanese Law.

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3. COMPOSITION/ INFORMATION ON INGREDIENTS

SUBSTANCE/ MIXTURE	Mixture
COMPOSITION	Wt %
Deionized water	20 – 30
Surface active agent	15 – 20
Mixed solvent	35 – 45
LPG (Propellant)	<u>12 – 20</u>
Total	100

IMPURITIES AND STABILIZING ADDITIVES WHICH ARE THEMSELVES CLASSIFIED AND WHICH CONTRIBUTE TO THE CLASSIFICATION OF THE SUBSTANCE No information

4. FIRST AID MEASURES

IF INHALED

In case of poisoning, remove victim to fresh air, clam down, keep warm then get medical advice, attention.

IF ON SKIN

Wash soap with water. Remove contaminated clothing.

If skin irritation or rash occurs, get medical advice, attention.

IF IN EYES

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice, attention.

IF SWALLOWED

Rinse mouth. Get medical advice, attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Dry power, alcohol-resistant foam and carbon dioxide extinguisher, dry sand, water spray.

SPECIFIC HAZARDS WITH REGARD TO FIRE FIGHTING MEASURE

May produce poisonous and irritated gasses upon a fire.

May burst the container upon heating.

SPECIFIC METHODS/ PROTECTION OF FIRE FIGHTERS

Workers should wear appropriate protectors (glasses, cloths, mask for poisonous gasses, etc.), then extinguish should be performed up wind. Transfer the product container from a fire area, if no danger around.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear appropriate protective equipment (refer to 8. Exposure Control/ Personal Protection) to avoid contact to eyes, skin and inhalation.

ENVIRONMENTAL PRECAUTIONS, RECOVERY/ NEUTRALIZATION

Take precaution to prevent product to flow into rivers and effect environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

In case of small spill, absorb with dry sand, soil, sawdust, cloth, etc., then place in a sealable container.

In case of large spill, dike and prevent overflow. Guide to a safe place then dispose properly.

SECONDARY ACCIDENT PREVENTION MEASURE

All ignition sources should be quickly removed. (No smoking in vicinity, prohibit sparks or fire source.)

7. HANDLING AND STORAGE

HANDLING

ENGINEERING MEASURES

Wear protective equipment. Perform engineering measures in accordance with 8. Exposure Control/ Personal protection.

LOCAL VENTILATION/ GENERAL VENTILATION

Perform local and general ventilation in accordance with 8. Exposure Control/ Personal protection.

SAFETY HANDLING PRECAUTIONS

Fire strictly prohibited.

STORAGE

ENGINEERING MEASURES

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Protect from direct sunlight. Store away from areas that exceeds 40°C. Corrodes easily by splashed water or humidity. Refer to the technical data, specifications, and a product label about handling range of temperature.

CONTAINER AND PACKAGING MATERIALS

Keep only in original container. Do not transfer the product to another container.

8. EXPOSURE CONTROL/ PERSONAL PROTECTION

CONTROL PARAMETERALS

	ACGIH TLV	OSHA PEL
L.P.G. (Butane)	1000 ppm	800 ppm
L.P.G. (Propane)	1000 ppm	1000 ppm

ENGINEERING MEASURES

If handling this product door, seal off source or use a local mechanical ventilation system, etc.
Place a safety shower, hand washing sink and an eye bath near work area and clearly marked.

PERSONAL PROTECTION EQUIPMENT

RESPIRATORY PROTECTION

Wear mask to prevent organic gas poisoning, if necessary.

HAND PROTECTION

Wear appropriate protective gloves (Polyethylene, rubber, etc., solvent impervious materials).

EYE PROTECTION

Use eye protection. (preferably goggles)

SKIN AND BODY PROTECTION

Wear personal protection apron, boots, if necessary. Do not work with short sleeve shirts.

SANITARY MEASURES

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE

APPEARANCE

Liquid (Content)

COLOR

Light yellow transparent

ODOR

Solvent odor

FLASH POINT

42°C

SPECIFIC GRAVITY (DENSITY)

0.94

SOLUBILITY

Partially soluble in water

PHYSICAL STATE as Butane

MELTING POINT/ FREEZING POINT

-138°C

BOILING POINT (INITIAL AND RANGE)

-0.5°C

SPECIFIC GRAVITY (DENSITY)

2.07 (Air = 1)

SOLUBILITY

Readily soluble in Hydrocarbonic solvents

PHYSICAL STATE as Propane

MELTING POINT/ FREEZING POINT

-187°C

BOILING POINT (INITIAL AND RANGE)

-42°C

SPECIFIC GRAVITY (DENSITY)

1.55 (15.6°C/ 760 mmHg/ Air = 1)

10. HYSICAL HAZARD (STABILITY AND REACTIVITY)

STABILITY

Stable under normal handling

POSSIBLY HAZARDOUS REACTION

Reacts to strong oxidizers, then may cause a fire hazard.

CONDITION TO AVOID

Heating

INCOMPATIBLE MATERIALS

Strong oxidizer

HAZARDOUS DECOMPOSITION

Incineration may produce poisonous gasses (Carbon monoxide, etc.) upon condition.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS

ACUTE TOXICITY

No data as product

SKIN CORROSION/ IRRITATION

No data as product

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12. ECOLOGICAL CONSIDERATIONS

ENVIRONMENTAL HAZARDS

HAZARDS TO THE AQUATIC

No data as product

ENVIRONMENT/ ECOTOXICITY

No data

13. DISPOSAL CONSIDERATIONS

METHOD OF DISPOSAL

To dispose this product , solicit waste disposal management experts. Prohibited that to dispose the waste or waste liquid containing the product in the river etc., to reclaim, to dump the product as it is.

CONTAMINATED CONTAINERS
AND PACKAGING

Handle in used container and cloth same as above.

14. TRANSPORT INFORMATION

INTERNATIONAL REGULATION

SEA TRANSPORTATION

In accordance with IMO regulations

UN number

1950

Proper shipping name

Aerosols

UN Classification

2.1

AIR TRANSPORTATION

In accordance with ICAO/ IATA regulations

UN number

1950

Proper shipping name

Aerosols

UN Classification

2.1

EMERGENCY ACCIDENTAL MEASURE

Yellow card number

126

15. REGULATORY INFORMATION

Handle in accordance with applicable laws and regulations.

16. OTHER INFORMATION

- Portions of the above evaluation of dangerous and harmful effects may be insufficient. Please perform adequate investigation.
- The contents in this report are based on information, which was available as of the effective date, but ThreeBond Singapore Pte Ltd. and its affiliates are not responsible for guaranteeing the above data and evaluations. The above data assumes usage under normal working conditions. In case special handling is required, please handle with suitable safety measures according to the application and usage.
- The contents in this report may change due to new evaluation and tests etc.