

## SAFETY DATA SHEET

# 6052

Product Name **BOC ULTRA PROTECT SUNBLOCK**

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Supplier name** BOC LIMITED (AUSTRALIA)  
**Address** 10 Julius Avenue, North Ryde, NSW, 2113, AUSTRALIA  
**Telephone** 131 262, (02) 8874 4400  
**Fax** 132 427 (24 hours)  
**Emergency** 1800 653 572 (24/7) (Australia only)  
**Web site** <http://www.boc.com.au/>  
**Synonym(s)** 6052 - MSDS NUMBER • BOC SUNSCREEN • BUP301LP SUNSCREEN 1 LITRE • BUP30250 SUNSCREEN 250ML • BUP3IR1LP SUNSCREEN 1 LITRE WITH INSECT REPELLANT • BUP3IR250 SUNSCREEN 250ML WITH INSECT REPELLANT  
**Use(s)** SUNSCREEN  
**SDS date** 04 June 2013

### 2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

**RISK PHRASES**

None allocated

**SAFETY PHRASES**

None allocated

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

<b>UN number</b>	None Allocated	<b>DG class</b>	None Allocated
<b>Packing group</b>	None Allocated	<b>Subsidiary risk(s)</b>	None Allocated
<b>Hazchem code</b>	None Allocated		

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	Identification	Classification	Content
DIETHYL TOLUAMIDE (DEET)	CAS: 134-62-3 EC: 205-149-7	Xn;R22 Xi;R36/38 N;R52/53	7 to 14%
WATER	CAS: 7732-18-5 EC: 231-791-2	Not Available	>60%
ADDITIVE(S)	Not Available	Not Available	Not Available

### 4. FIRST AID MEASURES

**Eye** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

**Inhalation** Exposure is considered unlikely. Due to product form / nature of use, an inhalation hazard is not anticipated.

**Skin** If an irritation or rash develops, gently flush affected areas with water and discontinue use.

**Ingestion** For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If

**Product Name**      **BOC ULTRA PROTECT SUNBLOCK**

**Advice to doctor**      swallowed, do not induce vomiting.  
Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES

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**Flammability**              Non flammable. May evolve toxic gases if strongly heated.  
**Fire and explosion**      No fire or explosion hazard exists.  
**Extinguishing**            Use an extinguishing agent suitable for the surrounding fire.  
**Hazchem code**            None Allocated

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## 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions**      Wear Personal Protective Equipment (PPE) as detailed in Section 8 of this SDS.  
**Environmental precautions**    Prevent product from entering drains and waterways.  
**Methods of cleaning up**      If spilt, collect and reuse where possible.  
**References**                See Sections 8 and 13 for exposure controls and disposal.

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## 7. STORAGE AND HANDLING

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**Storage**                    No special requirements for the storage of this product.  
**Handling**                Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Exposure standards**      No exposure standard(s) allocated.  
**Biological limits**        No biological limit allocated.  
**Engineering controls**      No special precautions are normally required when handling this product.

**PPE**

**Eye / Face**              Not required under normal conditions of use.  
**Hands**                    Not required under normal conditions of use.  
**Body**                     Not required under normal conditions of use.  
**Respiratory**            Not required under normal conditions of use.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance**              WHITE PASTE  
**Odour**                     SLIGHT ODOUR  
**Flammability**            NON FLAMMABLE  
**Flash point**              NOT RELEVANT  
**Boiling point**            > 100°C  
**Melting point**          < 0°C  
**Evaporation rate**      AS FOR WATER  
**pH**                         6.5 to 7.5  
**Vapour density**        NOT AVAILABLE  
**Specific gravity**        1.05  
**Solubility (water)**     DISPERSIBLE  
**Vapour pressure**        18 mm Hg @ 20°C  
**Upper explosion limit**    NOT RELEVANT  
**Lower explosion limit**    NOT RELEVANT  
**Autoignition temperature** NOT AVAILABLE  
**Decomposition temperature** NOT AVAILABLE  
**Viscosity**                NOT AVAILABLE

**Product Name**      **BOC ULTRA PROTECT SUNBLOCK**

**Partition coefficient**      NOT AVAILABLE  
**% Volatiles**      > 60 % (Water)

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## 10. STABILITY AND REACTIVITY

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**Chemical stability**      Stable under recommended conditions of storage.  
**Conditions to avoid**      Avoid heat, sparks, open flames and other ignition sources.  
**Material to avoid**      Compatible with most commonly used materials.  
**Hazardous Decomposition Products**      May evolve toxic gases if heated to decomposition.  
**Hazardous Reactions**      Polymerization will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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**Health Hazard Summary**      Non toxic. Under normal conditions of use, adverse health effects are not anticipated. Individuals with sensitive skin may experience mild irritation with prolonged use of this product.  
**Eye**      Non - low irritant. Contact may result in mild irritation and lacrimation.  
**Inhalation**      Low irritant. Over exposure may result in irritation of the nose and throat, with coughing. However, under normal conditions of use adverse health effects are not anticipated.  
**Skin**      Non - low irritant. Prolonged or repeated contact may result in mild irritation. Some individuals may experience allergic reaction.  
**Ingestion**      Non toxic. Ingestion is considered an unlikely exposure route. Ingestion may result in nausea, vomiting and diarrhoea.  
**Toxicity data**      DIETHYL TOLUAMIDE (DEET) (134-62-3)  
   LC50 (inhalation)      5950 mg/m<sup>3</sup> (rat)  
   LD50 (ingestion)      1170 mg/kg (mouse)  
   LD50 (skin)      3170 uL/kg (mouse)  
   LDLo (ingestion)      679 mg/kg (man)  
   LDLo (intravenous)      75 mg/kg (rabbit)  
   TDLo (ingestion)      0.3 mg/kg (women)  
   TDLo (skin)      35 mg/kg/5 days (human)

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## 12. ECOLOGICAL INFORMATION

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**Toxicity**      Low toxicity to aquatic organisms.  
**Persistence and degradability**      This product is readily biodegradable.  
**Bioaccumulative potential**      This product is not expected to bioaccumulate.  
**Mobility in soil**      No information available.  
**Other adverse effects**      No information provided.

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## 13. DISPOSAL CONSIDERATIONS

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**Waste disposal**      No special precautions are required for the disposal of this product.  
**Legislation**      Dispose of in accordance with relevant local legislation.

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## 14. TRANSPORT INFORMATION

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**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**

	<b>LAND TRANSPORT (ADG)</b>	<b>SEA TRANSPORT (IMDG / IMO)</b>	<b>AIR TRANSPORT (IATA / ICAO)</b>
<b>UN number</b>	None Allocated	None Allocated	None Allocated
<b>Proper shipping name</b>	None Allocated	None Allocated	None Allocated

DG class/ Division	None Allocated	None Allocated	None Allocated
Subsidiary risk(s)	None Allocated	None Allocated	None Allocated
Packing group	None Allocated	None Allocated	None Allocated
Hazchem code	None Allocated		

## 15. REGULATORY INFORMATION

Poison schedule	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Inventory Listing(s)	<b>AUSTRALIA: AICS (Australian Inventory of Chemical Substances)</b> All components are listed on AICS, or are exempt.

## 16. OTHER INFORMATION

**Additional information** PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:  
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:  
It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

<b>Abbreviations</b>	ACGIH	American Conference of Governmental Industrial Hygienists
	CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
	CNS	Central Nervous System
	EC No.	EC No - European Community Number
	GHS	Globally Harmonized System
	IARC	International Agency for Research on Cancer
	LD50	Lethal Dose, 50% / Median Lethal Dose
	mg/m <sup>3</sup>	Milligrams per Cubic Metre
	PEL	Permissible Exposure Limit
	pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
	ppm	Parts Per Million
	REACH	Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
	STOT-RE	Specific target organ toxicity (repeated exposure)
	STOT-SE	Specific target organ toxicity (single exposure)
	SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
	TLV	Threshold Limit Value
	TWA/OEL	Time Weighted Average or Occupational Exposure Limit

**Revision history**

Revision	Description
1.1	Standard SDS Review
1.0	Initial SDS creation

**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

**Product Name**      **BOC ULTRA PROTECT SUNBLOCK**

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**End of SDS**