

BOSTIK ISR 70-08 AP BLACK
Version 2

Revision Date 03-Aug-2017
Supersedes Date: 01-Jun-2017

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

1.1. Product Identifier

Product Name BOSTIK ISR 70-08 AP BLACK
Pure substance/mixture Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Adhesives.
Uses Advised Against No information available.

1.3. Details of the supplier of the safety data sheet

Company Name Bostik New Zealand Limited 19 Eastern Hutt Road Wingate, Lower Hutt, New Zealand Tel: 04-567 5119 Fax: 04-567 5412	Bostik SA Immeuble "Le Jade" 253 Avenue du President Wilson 93211 La Plaine Saint Denis France Tel: +33 (0)1 55 99 90 00 Fax: +33 (0)1 55 99 90 01
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1.4. Emergency telephone number

Emergency Telephone 24 Hr: 0800 243 622
Poison Centre : 0800 764 766

E-mail address SDS.AP@Bostik.com

Section 2: HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS)

ERMA Group Not applicable

2.2. Label Elements

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS)

Signal Word None

2.3. Other Hazards

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing

Safety Data Sheet

BOSTIK ISR 70-08 AP BLACK
Version 2

Revision Date 03-Aug-2017
Supersedes Date: 01-Jun-2017

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS)

Chemical Name	CAS No.	Weight-%
Carbonic acid, calcium salt (1:1)	471-34-1	40 - <80
Poly[oxy(methyl-1,2-ethanediyl)],.alpha.-[3-(dimethoxymethylsilyl)propyl]-.omega.-[3-(dimethoxymethylsilyl)propoxy-]	75009-88-0	20- <40
Reaction mass of Octadecanamide, 12-hydroxy-N-[2-[(1-oxodecyl)amino]ethyl]- and N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and Decanamide, N,N'-1,2-ethanediylbis-	198028-14-7	1 - <5
Silane, ethenyltrimethoxy-	2768-02-7	1 - <3
Carbon black	1333-86-4	1 - <3
1-Propanamine, 3-(trimethoxysilyl)-	13822-56-5	1 - <3
Calcium stearate	1592-23-0	0.1- <1
Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate	52829-07-9	0.1- <1
Octadecyl 3-(3',5'-di-tert-butyl-4'-hydroxyphenyl)propionate	2082-79-3	0.1- <1
Silicic acid (H ₄ SiO ₄), tetraethyl ester, reaction products with bis(acetyloxy)dioctylstannane	93925-43-0	0.1- <1
Methyl silicate	681-84-5	<0.01

*** Any remaining ingredients are not hazardous

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Advice	Remove contaminated clothing and shoes. If medical advice is needed, have product container or label at hand.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin Contact	Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions see a physician.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Hold eyelids apart and consult an physician.
Ingestion	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. If swallowed, rinse mouth with water (only if the person is conscious).
Self-protection of the First Aider	First aider: Pay attention to self-protection.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms None known.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

4.4. Reference to Other Sections

Reference to Other Sections Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION. Section 11:

Safety Data Sheet

BOSTIK ISR 70-08 AP BLACK
Version 2

Revision Date 03-Aug-2017
Supersedes Date: 01-Jun-2017

TOXICOLOGY INFORMATION.

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media Carbon dioxide (CO₂). Extinguishing powder. Water spray or fog. Alcohol resistant foam.

Unsuitable Extinguishing Media No information available.

5.2. Special hazards arising from the substance or mixture

Specific Hazards Arising from the Chemical Thermal decomposition can lead to release of toxic/corrosive gases and vapors. Carbon monoxide. Carbon dioxide (CO₂).

5.3. Advice for firefighters

Special Protective Equipment for Fire-fighters Wear self-contained breathing apparatus and protective suit.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protection equipment. Avoid contact with skin, eyes or clothing.

6.2. Environmental precautions

Environmental Precautions Prevent entry into waterways, sewers, basements or confined areas. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Methods for Containment Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Methods for Cleaning up Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

6.4. Reference to other sections

Reference to Other Sections Section 7: HANDLING AND STORAGE
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
Section 13: DISPOSAL CONSIDERATIONS

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on Safe Handling Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Fire prevention measures. No special measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse.

Storage Conditions Protect from moisture. Recommended storage temperature. 10 - 35 °C. Keep away from food, drink and animal feeding stuffs. Keep container tightly closed and dry. Product cures with moisture.

Safety Data Sheet

BOSTIK ISR 70-08 AP BLACK
Version 2

Revision Date 03-Aug-2017
Supersedes Date: 01-Jun-2017

Incompatible Materials No information available

7.3. Specific end use(s)

Specific Use(s) Sealant. Observe technical data sheet.

OTHER INFORMATION No information available.

7.4. References to Other Sections

Reference to Other Sections Section 13: DISPOSAL CONSIDERATIONS. Section 10: STABILITY AND REACTIVITY.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Chemical Name	New Zealand	Australia	European Union
Carbonic acid, calcium salt (1:1) 471-34-1	TWA: 10 mg/m ³	10 mg/m ³	-
Reaction mass of Octadecanamide, 12-hydroxy-N-[2-[(1-oxodecyl)amino]ethyl]- and N,N'-ethane-1,2-diylbis(12-hydroxy octadecan-1-amide) and Decanamide, N,N'-1,2-ethanediybis-198028-14-7	-	-	TWA: 3mg/3 (respirable dust)
Carbon black 1333-86-4	TWA: 3 mg/m ³	3 mg/m ³	-
Calcium stearate 1592-23-0	TWA: 10 mg/m ³	10 mg/m ³	-
Methyl silicate 681-84-5	TWA: 1 ppm TWA: 6 mg/m ³	1 ppm 6 mg/m ³	-

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL
Carbonic acid, calcium salt (1:1) 471-34-1	-	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust	-
Carbon black 1333-86-4	TWA: 3 mg/m ³ inhalable particulate matter	IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH	TWA: 3.5 mg/m ³
Calcium stearate 1592-23-0	TWA: 10 mg/m ³ inhalable particulate matter except stearates of toxic metals TWA: 3 mg/mg3 respirable particulate matter except stearates of toxic metals	-	-
Methyl silicate 681-84-5	TWA: 1 ppm	TWA: 1 ppm TWA: 6 mg/m ³	-

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

OTHER INFORMATION Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing

8.2. Exposure controls

Safety Data Sheet

BOSTIK ISR 70-08 AP BLACK
Version 2

Revision Date 03-Aug-2017
Supersedes Date: 01-Jun-2017

Engineering Controls Ensure adequate ventilation, especially in confined areas.

PPE - Personal Protection Equipment

Eye/Face Protection	Wear safety glasses with side shields (or goggles).
Skin and Body Protection	Wear suitable protective clothing. No special technical protective measures are necessary under normal conditions.
Hand Protection	Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.
Respiratory Protection	No protective equipment is needed under normal use conditions. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of professional filter is recommended.
General Hygiene Considerations	Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse.

Environmental Exposure Controls No information available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Paste
Color	Black
Odor	Slight
Odor Threshold	Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting Point/Freezing Point	No information available	
Boiling Point	No information available	
Flash Point	> 100 °C / > 212 °F	CC (closed cup)
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	Not applicable for liquids
Flammability Limit in Air		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
Vapor Pressure	No information available	
Vapor Density	No information available	
Relative Density	No information available	
Water Solubility	Insoluble in water	
Solubility in Other Solvents	No information available	
Partition Coefficient	No information available	
Autoignition Temperature	No information available	
Decomposition Temperature	No information available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	30000 mPa s	@ 20 °C
Explosive Properties	No information available	
Oxidizing Properties	No information available	

9.2. Other information

Softening Point	No information available
Molecular Weight	No information available
Solvent Content (%)	No information available
Solid Content (%)	No information available
Density	1.5 g/cm ³
Bulk Density	No information available
VOC	

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity None under normal use conditions.

Safety Data Sheet

BOSTIK ISR 70-08 AP BLACK
Version 2

Revision Date 03-Aug-2017
Supersedes Date: 01-Jun-2017

10.2. Chemical Stability

10.3. Possibility of Hazardous Reactions

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization None under normal processing.

10.4. Conditions to Avoid

Conditions to Avoid Protect from moisture. Product cures with moisture.

10.5. Incompatible Materials

Incompatible Materials No information available.

10.6. Hazardous Decomposition Products

Hazardous Decomposition Products None under normal use conditions.

Section 11: TOXICOLOGY INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity

Product Information	In vitro Bovine Corneal Opacity and Permeability tests (BCOP test; OECD 437) have been carried out on this product.
Inhalation	No Data Available.
Eye contact	The test item induced a mean In-vitro irritancy score ≤ 3 , the test item was considered as a test chemical not requiring classification for eye irritation or serious eye damage (UN GHS No Category).
Skin Contact	No Data Available.
Ingestion	No Data Available.

Numerical measures of toxicity

Unknown acute toxicity

- 3.8 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 4.8 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 8.49487 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 5.8 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 8.49487 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Carbonic acid, calcium salt (1:1) 471-34-1	= 6450 mg/kg (Rat)	>2000 mg/kg	LC50 (4h) >3mg/ml (Rat)
Reaction mass of Octadecanamide, 12-hydroxy-N-[2-[(1-oxodecyl)aminoethyl]- and N,N'-ethane-1,2-diylbis(12-hydroxy octadecan-1-amide) and Decanamide, N,N'-1,2-ethanediybis- 198028-14-7	LD50 > 2000 mg/kg (rat) OECD 423	LD50 > 2000 mg/kg (rat) OECD 402	LC 50 (4h) > 5.11 mg/l (rat) OECD 403
Silane, ethenyltrimethoxy- 2768-02-7	LD 50 = 7120 -7236 mg/kg (Rat) OECD 401	= 3360 μ L/kg (Rabbit)	-
Carbon black 1333-86-4	LD 50 > 8000 mg/kg (rat) OECD 401	> 3 g/kg (Rabbit)	-
1-Propanamine, 3-(trimethoxysilyl)- 13822-56-5	LD50 (rat) > 2000 mg/ kg (2,97 ml/kg)	LD50 (rabbit) > 2000 mg/kg (11,3 ml/kg)	-

Safety Data Sheet

BOSTIK ISR 70-08 AP BLACK
Version 2

Revision Date 03-Aug-2017
Supersedes Date: 01-Jun-2017

Calcium stearate 1592-23-0	> 10 g/kg (Rat)	-	-
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9	LD50 (rat) > 2000 mg/kg OECD 423	LD50 (rat) > 3 170 mg/kg OECD 402	= 500 mg/m ³ (Rat) 4 h
Octadecyl 3-(3',5'-di-tert-butyl-4'-hydroxyphenyl)propionate 2082-79-3	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 1800 mg/L (Rat) 4 h
Methyl silicate 681-84-5	-	= 17 mL/kg (Rabbit)	-

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Skin Corrosion/Irritation	No information available.
Serious Eye Damage/Eye Irritation	No information available.
Sensitization	No information available.
Germ Cell Mutagenicity	No information available.
Reproductive Toxicity	No information available.
STOT - Single Exposure	No information available.
STOT - Repeated Exposure	No information available.
Target Organ Effects	Eyes, Lymphatic System, Respiratory system, Skin.
Aspiration Hazard	No information available.
Carcinogenicity	No information available.

Chemical Name	IARC	China	Japan
Carbon black	Group 2B	-	Group 2B

IARC (International Agency for Research on Cancer) *Group 2B - Possibly Carcinogenic to Humans*

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Product Information

Harmful to aquatic life.

Component Information

Data obtained on the component(s) include

Chemical Name	Algae/Aquatic Plants	Fish	Crustacea
Carbonic acid, calcium salt (1:1) 471-34-1	IC50 72H Algae >1000 mg/l	CL50 96H Fish >1000 mg/l	EC50 48H Daphnia >1000 mg/l
Reaction mass of Octadecanamide, 12-hydroxy-N-[2-[(1-oxodecyl)amino]ethyl]- and N,N'-ethane-1,2-diylbis(12-hydroxy octadecan-1-amide) and Decanamide, N,N'-1,2-ethanedylbis- 198028-14-7	EC50 (72h) = 43,2 mg/l (growth rate; Pseudokirchnerella subcapitata) OECD 201	LC50 (96Hr) > 100 mg/l (Oncorhynchus mykiss) OECD 203	EL50 (48h) = 94.9 mg/l (Daphnia magna) OECD 202
Silane, ethenyltrimethoxy- 2768-02-7	EC 50 (72h) > 957 mg/l (Desmodesmus subspicatus) EU Method C.3	L50 (96h) = 191 mg/l (Oncorhynchus mykiss)	EC50(48hr) 168.7mg/l (Daphnia magna)
Carbon black 1333-86-4	>10000 mg/l (Desmodesmus subspicatus) OECD 202	>1000 mg/l (Brachydanio rerio) OCDE 203	EC50 24 h > 5600 mg/L (Daphnia magna)
1-Propanamine, 3-(trimethoxysilyl)- 13822-56-5	EC50 (72h) > 1000 mg/l (Desmodesmus subspicatus) EU Method C.3 (Algal Inhibition test)	LC50 (96h) > >934 mg/L (Danio rerio) OECD 203	EC50 (48h) = 331 mg/L (Daphnia magna) OECD 202
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9	EC50 72Hr 0.705 mg/l (Pseudokirchnerella subcapitata)	LC50 5.29 mg/l (Oryzias latipes)	LC50 48Hr 8.58 mg/l (Daphnia magna)
Octadecyl	EC50 72 h > 30 mg/L	LC50 96 h > 100 mg/L (Lepomis)	EC50 24 h > 100 mg/L (Daphnia)

Safety Data Sheet

BOSTIK ISR 70-08 AP BLACK
Version 2

Revision Date 03-Aug-2017
Supersedes Date: 01-Jun-2017

3-(3',5'-di-tert-butyl-4'-hydroxyphenyl)propionate 2082-79-3	(Desmodosmus subspicatus)	macrochirus) LC50 96 h > 100 mg/L (Lepomis macrochirus static)	magna)
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12.2. Persistence and Degradability

No information available.

12.3. Bioaccumulative Potential

No information available.

12.4. Mobility in Soil

No information available.

12.5. Results of PBT and vPvB Assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other Adverse Effects

No information available.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste from Residues/Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14: TRANSPORTATION INFORMATION

IMDG Not regulated

IATA Not regulated

ADR Not regulated

Section 15: REGULATORY INFORMATION

National Regulations

Section 16: OTHER INFORMATION

Key or Legend to Abbreviations and Acronyms Used in the Safety Data Sheet

No information available

Key Literature References and Sources for Data

No information available

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Revision Note Not applicable.

Safety Data Sheet

BOSTIK ISR 70-08 AP BLACK
Version 2

Revision Date 03-Aug-2017
Supersedes Date: 01-Jun-2017

Training Advice

No information available

Disclaimer

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End of Safety Data Sheet