

SAFETY DATA SHEET

SURFACE BONDER Xi/ESTONE Xi/TRIM BONDER TR30/RTP-01/SINK BONDER SK11: **PART A**

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: SURFACE BONDER XI/ESTONE XI/TRIM BONDER
TR30/RTP- 01/SINK BONDER SK11: **PART A**

Use of substance / preparation: Bonding agent for Acrylic, Polyester, Quartz and Natural Stone.

Company name: Integra Adhesives Inc.
Unit 4, 33759 Morey Avenue
Abbotsford
British Columbia
V2S 2W5
Canada
Tel: +1 604 850 1321
Fax: +1 604 850 1354
North America Emergency tel: +1-604-986-4617
Europe Emergency Tel:+44 (0) 1604 521 065
Email: contact@integra-adhesives.com

2. HAZARDS IDENTIFICATION

Main hazards: Highly flammable. Irritating to respiratory system and skin. May cause sensitisation by skin contact.

Workplace exposure limit: This substance does not have a workplace exposure limit.

PBT: This substance is not identified as a PBT substance.

Directive 1999/45/EC: This preparation meets the criteria for classification as dangerous in accordance with Directive 1999/45/EC.

Other hazards: In use, may form flammable / explosive vapour-air mixture.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: METHYL METHACRYLATE 30-50%
EINECS: 201-297-1 CAS: 80-62-6
[F] R11; [Xi] R37/38; [Sens.] R43

4. FIRST AID MEASURES

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Do not induce vomiting. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. Consult a doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide. Dry chemical powder. Alcohol or polymer foam. Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.
Environmental precautions:	Do not discharge into drains or rivers. Contain the spillage using bunding.
Clean-up procedures:	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

7. HANDLING AND STORAGE

Handling requirements:	Smoking is forbidden. Use non-sparking tools. Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.
Storage conditions:	Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients:	METHYL METHACRYLATE UK - 8 hour TWA: 208 mg/m ³ UK - 15 min. STEL: 416 mg/m ³
Engineering measures:	Ensure there is sufficient ventilation of the area.
Respiratory protection:	Respiratory protective device with particle filter. Gas/vapour filter, type A: organic vapours (EN141).
Hand protection:	Butyl gloves.
Eye protection:	Safety goggles. Ensure eye bath is to hand.
Skin protection:	Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State:	Liquid
Colour:	Colourless
Odour:	Characteristic odour
Oxidising:	Non-oxidising (by EC criteria)
Solubility in water:	Slightly soluble
Boiling point/range °C:	101
Flammability limits %: lower:	2.1
upper:	12.5
Flash point °C:	9
Autoflammability °C:	435
Vapour pressure:	29 mm Hg
Relative density:	1.06

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions. May polymerise on exposure to light. May undergo autopolymerisation.
Conditions to avoid:	Heat. Direct sunlight. Hot surfaces. Sources of ignition.

Materials to avoid: Oxygen. Strong oxidising agents. Strong acids. Finely powdered metals.
Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Acute effects: Irritating to respiratory system and skin.
Sensitisation: May cause sensitisation by skin contact.

11. TOXICOLOGICAL INFORMATION (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness. The eyes may water profusely.
Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.
Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Other adverse effects: Negligible ecotoxicity.
PBT identification: This substance is not identified as a PBT substance.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company. Mix or dissolve with a combustible material and burn in a chemical incinerator equipped with afterburners and scrubbers.
Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

UN no:	1133	ADR Class:	3
Packing group:	II	Classification code:	F1
Shipping name:	ADHESIVES		
Labelling:	3	Hazard ID no:	33



IMDG / IMO

UN no:	1133	Class:	3
Packing group:	II	EmS:	F-E,S-D
Marine pollutant:	.	Labelling:	3

IATA / ICAO

UN no: 1133
Packing group: II
Labelling: 3

Class: 3
Packing instructions: 305(P&CA); 307(CAO)

15. REGULATORY INFORMATION

Hazard symbols:

Highly flammable.
Irritant.



Risk phrases:

R11: Highly flammable.
R37/38: Irritating to respiratory system and skin.
R43: May cause sensitisation by skin contact.

Safety phrases:

S24: Avoid contact with skin.
S37: Wear suitable gloves.
S46: If swallowed, seek medical advice immediately and show this container or label.
S60: This material and its container must be disposed of as hazardous waste.

**Seveso II guideline:
Note:**

Yes
The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Other information:

This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

Risk phrases used in s.3:

* indicates text in the SDS which has changed since the last revision.
R11: Highly flammable.
R37/38: Irritating to respiratory system and skin.
R43: May cause sensitisation by skin contact.

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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ACTIVATOR #20, #30, #40, #50.

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Issued: 10/03/2010

Revision No: 2

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: ACTIVATOR #20, #30, #40, #50.
Company name: Interga Adhesives Inc.
Unit 4, 33759 Morey Avenue
Abbotsford
British Columbia
V2S 2W5
Canada
Tel: +1 604 850 1321
Fax: +1 604 850 1354
Emergency tel: +44 (0)1604 521065
Email: contact@integra-adhesives.com

2. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} 86.000%
EINECS: 500-033-5 CAS: 25068-38-6
[Xi] R36/38; [Sens.] R43; [N] R51/53

- DIBENZOYL PEROXIDE 4.000%
EINECS: 202-327-6 CAS: 94-36-0
[E] R3; [O] R7; [Xi] R36; [Sens.] R43

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness. The eyes may water profusely.
Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation: Exposure may cause coughing or wheezing.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Transfer to hospital if there are burns or symptoms of poisoning.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion: Wash out mouth with water. If conscious, give half a litre of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. Consult a doctor.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious,

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ACTIVATOR #20, #30, #40, #50.

check for breathing and apply artificial respiration if necessary. Move to fresh air in case of accidental inhalation of vapours. Consult a doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid direct contact with the substance.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: DIBENZOYL PEROXIDE
WEL (8 hr TWA): 5 mg/m³

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protective device with particle filter. Gas/vapour filter, type A: organic vapours (EN141).

Hand protection: Butyl gloves.

Eye protection: Safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Paste

Odour: Characteristic odour

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Slightly soluble

Boiling point/range°C: >287

Flash point°C: >93

Vapour pressure: 25000-35000 cps

Relative density: 1.11

pH: <7**10. STABILITY AND REACTIVITY****Stability:** Stable under normal conditions. May polymerise on exposure to light.**Conditions to avoid:** Heat. Direct sunlight.**Materials to avoid:** Strong oxidising agents. Strong acids.**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.**11. TOXICOLOGICAL INFORMATION****Hazardous ingredients:** BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}

ORL MUS LD50 15600 mg/kg

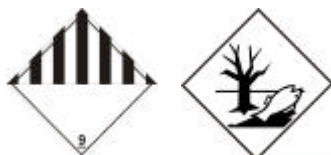
ORL RAT LD50 11400 mg/kg

SKN RBT LD50 >20 ml/kg

- DIBENZOYL PEROXIDE

ORL MUS LD50 5700 mg/kg

ORL RAT LD50 7710 mg/kg

Chronic toxicity: May cause sensitisation by skin contact.**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.**12. ECOLOGICAL INFORMATION****Persistence and degradability:** No data available.**Bioaccumulative potential:** No data available.**Other adverse effects:** Toxic to aquatic organisms. Toxic to soil organisms.**13. DISPOSAL CONSIDERATIONS****Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.**14. TRANSPORT INFORMATION****ADR / RID****UN no:** 3077**ADR Class:** 9**Packing group:** III**Classification code:** M7**Shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}; DIBENZOYL PEROXIDE; DICARBOXYLIC ACID ESTERS)**Labelling:** 9+EHS**Hazard ID no:** 90

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ACTIVATOR #20, #30, #40, #50.

IMDG / IMO

UN no: 3077 **Class:** 9
Packing group: III **EmS:** F-A,S-F
Marine pollutant: .
Labelling: 9+EHS

IATA / ICAO

UN no: 3077 **Class:** 9
Packing group: III
Packing instructions: 911
Labelling: 9+EHS

15. REGULATORY INFORMATION

Hazard symbols: Irritant.

Dangerous for the environment.



Risk phrases: R36/38: Irritating to eyes and skin.

R43: May cause sensitisation by skin contact.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S2: Keep out of the reach of children.

S24: Avoid contact with skin.

S37: Wear suitable gloves.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

Haz. ingredients (label): DIBENZOYL PEROXIDE; BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}

Seveso II guideline: Yes

Water hazard class: 2

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

Risk phrases used in s.3: R36/38: Irritating to eyes and skin.

R43: May cause sensitisation by skin contact.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

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environment.

R3: Extreme risk of explosion by shock, friction, fire or other sources of ignition.

R7: May cause fire.

R36: Irritating to eyes.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.