

**BOSTIK N49 PRIMER**  
Revision Number 2

Revision Date 19-Aug-2018  
Supersedes Date: 12-Oct-2016

## Section 1: Identification: Product identifier and chemical identity

### Product Identifier

**Product Name** BOSTIK N49 PRIMER

**Product Code(s)**  
30608477  
30608477; 30608602

### Other means of identification

**Proper Shipping Name** Adhesives

**UN Number** UN1133

**Pure substance/mixture** Mixture

### Recommended use of the chemical and restrictions on use

**Recommended use** Primers

**Uses advised against** No information available

### Details of manufacturer or importer

#### Supplier

Bostik Australia Pty Ltd  
51-71 High Street,  
Thomastown Victoria  
Australia  
Tel: 613 9279-9333  
Fax: 613 9279-9342

**ABN:** 79 003 893 838

**E-mail address** au-bostik-sds@bostik.com

### Emergency telephone number

Emergency telephone number 24-hr Emergency: 1800 033 111

## Section 2: Hazard(s) identification

### GHS Classification

Based on available information, this material is classified as hazardous according to criteria of Safe Work Australia

<b>Flammable liquids</b>	Category 2 - (H225)
<b>Aspiration toxicity</b>	Category 1 - (H304)
<b>Acute toxicity - Inhalation (Vapors)</b>	Category 4 - (H332)
<b>Skin corrosion/irritation</b>	Category 2 - (H315)
<b>Serious eye damage/eye irritation</b>	Category 2A - (H319)
<b>Skin sensitization</b>	Category 1 - (H317)
<b>Reproductive toxicity</b>	Category 2 - (H361)
<b>Specific target organ toxicity (single exposure)</b>	Category 3 - (H336)

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Specific target organ toxicity (repeated exposure)	Category 2 - (H373)
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## Label Elements

Flame  
Exclamation mark  
Health hazard



**Signal word**  
DANGER

## Hazard statements

H225 - Highly flammable liquid and vapor  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H336 - May cause drowsiness or dizziness  
H361 - Suspected of damaging fertility or the unborn child  
H373 - May cause damage to organs through prolonged or repeated exposure

## 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  
Use only outdoors or in a well-ventilated area  
Wash face, hands and any exposed skin thoroughly after handling  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves  
Do not breathe dust/fume/gas/mist/vapors/spray  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Keep cool  
Use explosion-proof electrical/ ventilating/ lighting/ equipment

## Precautionary Statements - Response

IF exposed or concerned: 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  
If eye irritation persists: Get medical advice/attention  
If skin irritation or rash 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

## 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

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## Other Hazards

In use may form flammable/explosive vapor-air mixture

## Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

**Poison Schedule Number** S6

## Label requirements in accordance with SUSMP

POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

## **Section 3: Composition and information on ingredients, in accordance with Schedule 8**

### Substance

Not applicable

### Mixture

Chemical Name	CAS No.	Weight-%
Toluene	108-88-3	30 - 60%
Aromatic Polyisocyanate	53317-61-6	30 - 60%
Ethyl acetate	141-78-6	10 - 30%
Benzene, 1,3-diisocyanatomethyl-	26471-62-5	< 1%

## **Section 4: First aid measures**

**Emergency telephone number** Poisons Information Center, Australia: 13 11 26  
Poisons Information Center, New Zealand: 0800 764 766

### FIRST AID

**General advice** Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

**Inhalation** Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical advice/attention. Delayed pulmonary edema may occur.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

**Ingestion** Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Aspiration hazard if swallowed - can enter lungs and cause damage. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical advice/attention.

**Self-protection of the first aider** Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid direct contact with skin. Use barrier to give mouth-to-mouth

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resuscitation. Avoid contact with skin, eyes or clothing.

## **Most important symptoms and effects, both acute and delayed**

**Symptoms** Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

## **Indication of any immediate medical attention and special treatment needed**

**Note to physicians** May cause sensitization in susceptible persons. Treat symptomatically. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

## **Section 5: Firefighting measures**

### **Suitable Extinguishing Media**

**Suitable Extinguishing Media** Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

**Unsuitable extinguishing media** CAUTION: Use of water spray when fighting fire may be inefficient.

### **Special exposure hazards in a fire**

**Specific hazards arising from the chemical** Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitizer. May cause sensitization by skin contact.

### **Protective equipment and precautions for firefighters**

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**Hazchem code** •3YE

## **Section 6: Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

**Other Information** Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

### **Environmental Precautions**

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

### **Methods and material for containment and cleaning up**

**Methods for containment** Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth,

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sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## Precautions to prevent secondary hazards

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## **Section 7: Handling and storage, including how the chemical may be safely used**

### Precautions for safe handling

**Advice on safe handling** Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Remove contaminated clothing and shoes.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Store away from other materials.

**Incompatible materials** Strong acids. Strong bases. Strong oxidizing agents.

This material is a scheduled poison and must be stored, maintained and used in accordance with the relevant regulations

## **Section 8: Exposure controls and personal protection**

### Control parameters

#### **Exposure Limits**

Chemical Name	Australia
Toluene 108-88-3	50 ppm TWA 191 mg/m <sup>3</sup> TWA 150 ppm STEL 574 mg/m <sup>3</sup> STEL
Ethyl acetate 141-78-6	200 ppm TWA 720 mg/m <sup>3</sup> TWA 400 ppm STEL 1440 mg/m <sup>3</sup> STEL

OEL as published by Safe Work Australia

### Appropriate engineering controls

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**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

## Individual protection measures, such as personal protective equipment

**Eye/face protection** Tight sealing safety goggles.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

**Hand protection** Wear suitable gloves. Impervious gloves.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls** No information available.

## Section 9: Physical and chemical properties

### Information on basic physical and chemical properties

**Physical State** Liquid  
**Appearance** Liquid  
**Color** Clear, colorless  
**Odor** Solvent  
**Odor Threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b> No data available		
<b>Melting point / freezing point</b>	No data available	
<b>Boiling point / boiling range</b>	approx. 125 °C	
<b>Flash Point</b>	approx. 5 °C	
<b>Evaporation Rate</b>	No data available	
<b>Flammability (solid, gas)</b>	No data available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>	8	
<b>Lower flammability or explosive limits</b>	1.2	
<b>Vapor Pressure</b>	3.1	
<b>Vapor Density</b>	No data available	
<b>Relative Density</b>	No data available	
<b>Water Solubility</b>	Insoluble in water	
<b>Solubility(ies)</b>	No data available	
<b>Partition coefficient</b>	No data available	
<b>Autoignition Temperature</b>	480 °C	
<b>Decomposition Temperature</b>	No data available	
<b>Kinematic Viscosity</b>		
<b>Dynamic Viscosity</b>	No data available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

### OTHER INFORMATION

**Solid content (%)** No information available  
**VOC (volatile organic compound)** 830 g/L  
**Density** 1

## Section 10: Stability and reactivity

### Reactivity

**Reactivity** No information available.

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## Chemical stability

**Stability** Stable under normal conditions.

## **Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** Yes.

## Possibility of Hazardous Reactions

**Possibility of hazardous reactions** None under normal processing.

## Conditions to avoid

**Conditions to avoid** Heat, flames and sparks.

## Incompatible Materials

**Incompatible materials** Strong acids. Strong bases. Strong oxidizing agents.

## Hazardous decomposition products

**Hazardous decomposition products** Carbon oxides.

## **Section 11: Toxicological information**

### Acute Toxicity

### Information on likely routes of exposure

#### **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract. May cause drowsiness or dizziness.

**Eye contact** Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components). Causes serious eye irritation.

**Skin contact** May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Repeated exposure may cause skin dryness or cracking. Causes skin irritation.

**Ingestion** Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Symptoms** Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Redness. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

### Numerical measures of toxicity - Product Information

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

ATEmix (inhalation-vapor) 19.96 mg/l

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## Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Toluene	= 5580 mg/kg ( Rat )	= 12000 mg/kg ( Rabbit )	> 20 mg/L ( Rat ) 4 h
Aromatic Polyisocyanate	LD50 >2000 mg/Kg (Rat)	-	LC50 >3.820 mg/L (Rat) 4h dust/mist
Ethyl acetate	= 5620 mg/kg ( Rat )	> 18000 mg/kg ( Rabbit ) > 20 mL/kg ( Rabbit )	LC0 29.3 mg/l air
Benzene, 1,3-diisocyanatomethyl-	= 3060 mg/kg ( Rat )	= 10000 mg/kg ( Rabbit )	= 0.107 mg/L ( Rat ) 4 h (Vapour)

See section 16 for terms and abbreviations

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** Classification based on data available for ingredients. Irritating to skin.

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Irritating to eyes.

**Respiratory or skin sensitization** May cause sensitization by skin contact.

**Germ cell mutagenicity** No information available.

## Carcinogenicity

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

Chemical Name	Australia
Benzene, 1,3-diisocyanatomethyl- 26471-62-5	Carc. 2

**Reproductive toxicity** No information available. Contains a known or suspected reproductive toxin. The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

Component Information		
Toluene (108-88-3)		
Method	Species	Results
OECD 407	in vivo	reproductive toxicant

**STOT - single exposure** May cause drowsiness or dizziness.

**STOT - repeated exposure** No information available.

**Aspiration hazard** May be fatal if swallowed and enters airways.

## Section 12: Ecological information

### Ecotoxicity

#### Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Toluene 108-88-3	EC50 72 h = 12.5 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h 5.89 - 7.81 mg/L (Oncorhynchus mykiss flow-through) LC50 96 h = 5.8 mg/L (Oncorhynchus mykiss semi-static)	EC50 = 19.7 mg/L 30 min	EC50 48 h = 11.5 mg/L (Daphnia magna ) EC50 48 h 5.46 - 9.83 mg/L (Daphnia magna Static)
Ethyl acetate 141-78-6	EC50 48 h = 3300 mg/L (Desmodesmus)	LC50 96 h 220 - 250 mg/L (Pimephales)	EC50 = 1180 mg/L 5 min	EC50 48 h = 560 mg/L (Daphnia magna Static)



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	subspicatus)	promelas flow-through) LC50 96 h 352 - 500 mg/L (Oncorhynchus mykiss semi-static) LC50 96 h = 484 mg/L (Oncorhynchus mykiss flow-through)	EC50 = 1500 mg/L 15 min EC50 = 5870 mg/L 15 min EC50 = 7400 mg/L 2 h	
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## Persistence and degradability

Persistence and degradability No information available.

## Bioaccumulative potential

Bioaccumulative potential There is no data for this product.

## Component Information

Chemical Name	Partition coefficient
Toluene 108-88-3	2.7
Ethyl acetate 141-78-6	0.6

## Mobility

Mobility in soil No information available.

Mobility No information available.

## Other Adverse Effects

Other Adverse Effects No information available.

## Section 13: Disposal considerations

### Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

## Section 14: TRANSPORT INFORMATION

### ADG

UN Number UN1133  
Proper shipping name Adhesives  
Hazard Class 3  
Packing Group II  
Special Provisions \*  
Description UN1133, Adhesives, 3, II

Hazchem code •3YE

### IATA

UN Number UN1133  
Transport hazard class(es) 3  
Packing Group II  
ERG Code 3L  
Special Provisions A3

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**Limited Quantity (LQ)** 1 L  
**Description** UN1133, Adhesives, 3, II

**IMDG**  
**UN Number** UN1133  
**Transport hazard class(es)** 3  
**Packing Group** II  
**EmS-No.** F-E, S-D  
**Limited Quantity (LQ)** 5 L  
**Marine Pollutant** Np  
**Description** UN1133, Adhesives, 3, II, (5°C c.c.)

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
No information available

## Section 15: Regulatory information

### REGULATORY INFORMATION

#### National Regulations

##### Australia

See section 8 for national exposure control parameters

##### **Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)**

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

**Poison Schedule Number** S6

#### Major hazard (accident/incident planning) regulation

Verify that license requirements are met

Named hazardous chemicals

Chemical Name	Threshold quantity (T)
Benzene, 1,3-diisocyanatomethyl- 26471-62-5	200 tonne TQ

#### Hazardous chemical

Liquids that meet the criteria for Class 3 Packing Group II or III

Liquids with flash points <61°C kept above their boiling points at ambient conditions

#### Threshold quantity (T)

50 000

200

#### National pollutant inventory

Subject to reporting requirement

Chemical Name	National pollutant inventory
Toluene 108-88-3	10 tonne/yr Threshold category 1 20 MW Threshold category 2b total 60000 MWH Threshold category 2b total 1 tonne/h Threshold category 2a total 25 tonne/yr Threshold category 1a total 400 tonne/yr Threshold category 2a total 2000 tonne/yr Threshold category 2b total
Ethyl acetate 141-78-6	10 tonne/yr Threshold category 1 20 MW Threshold category 2b total 60000 MWH Threshold category 2b total 1 tonne/h Threshold category 2a total 25 tonne/yr Threshold category 1a total 400 tonne/yr Threshold category 2a total 2000 tonne/yr Threshold category 2b total

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## International Inventories

AICS	Listed
NZIoC	Listed
ENCS	Listed
IECSC	Listed
KECL	Listed
PICCS	Listed

### Legend:

- AICS** - Australian Inventory of Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemicals  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

## International Regulations

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

## Section 16: Any other relevant information

**Prepared By** Product Safety & Regulatory Affairs

**Revision Date** 19-Aug-2018

### Revision Note

First time release.

## Key or legend to abbreviations and acronyms used in the safety data sheet

### SECTION 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

### Section 11: Toxicological information

LD50 (lethal dose)

### Section 12: Ecological information

EC50 (effective concentration)

## Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**

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