

# Safety Data Sheet

Revision Date 04-Nov-2019

Version 9

Supercedes Date: 04-Jun-2018

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

1.1. Product Identifier

**Product code** 

AD4200

**Product name** 

AIR DRY CLEAR COAT

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

Recommended use

Paint, Coatings

1.3. Details of the supplier of the safety data sheet

See section 16 for more information

Valspar Corporation Level 4, 2 Burbank Place Baulkham Hills, New South Wales 2153

Valspar Corporation 2-14 Patiki Road, Avondale 1026 Auckland, New Zealand

For further information, please contact

E-mail address <a href="mailto:sdshelpdesk@valspareurope.com">sdshelpdesk@valspareurope.com</a>

1.4. Emergency telephone number

**Australia** +(61)-290372994 **New Zealand** +(64)-98010034

Poison control centre phone

<u>number</u>

**Australia** 13 11 26

New Zealand 0800 764-766

# **Section 2: HAZARDS IDENTIFICATION**

# **GHS - Classification**

Acute toxicity - Oral	Category 5
Skin Corrosion/Irritation	Category 2
Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Acute aquatic toxicity	Category 3
Chronic Aquatic Toxicity	Category 3
Flammable liquids	Category 2

# Label elements



#### Signal word

#### **DANGER**

Contains Dibutyltin dilaurate, Acetone, n-Butyl acetate, Benzene, 1-chloro-4-(trifluoromethyl)-, 2-Pentanone, 4-methyl-

#### **HAZARD STATEMENTS**

Highly flammable liquid and vapour May be harmful if swallowed CAUSES SKIN IRRITATION Causes serious eye irritation May cause drowsiness or dizziness Harmful to aquatic life with long lasting effects

# **PREVENTION**

Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves Wear eye/face protection

Avoid breathing dust/fume/gas/mist/vapours/spray Use only outdoors or in a well-ventilated area

Avoid release to the environment

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof electrical/ ventilating/ lighting/ equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Wear protective gloves/protective clothing/eye protection/face protection

Keep cool

# **RESPONSE**

Call a POISON CENTER or doctor/physician if you feel unwell

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 ON SKIN: Wash with plenty of soap and water If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower

#### **INHALATION**

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Call a POISON CENTER or doctor/physician if you feel unwell

# **INGESTION**

Do NOT induce vomiting

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

**FIRF** 

In case of fire: Use CO2, dry chemical, or foam for extinction

#### **STORAGE**

Store in a well-ventilated place. Keep container tightly closed Store locked up

#### **DISPOSAL**

Dispose of contents/container to an approved waste disposal plant

#### **OTHER HAZARDS**

Not applicable

# **Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name	CAS No	Weight-%
Acetone	67-64-1	10 - 25
n-Butyl acetate	123-86-4	10 - 25
Methyl n-amyl ketone	110-43-0	10 - 25
Benzene, 1-chloro-4-(trifluoromethyl)-	98-56-6	10 - 25
2-Pentanone, 4-methyl-	108-10-1	1 - 3
Poly(oxy-1,2-ethanediyl), .alpha[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimeth ylethyl)-4-hydroxyphenyl]-1-oxopropyl]omegah ydroxy-	104810-48-2	0.3 - 1
Poly(oxy-1,2-ethanediyl), .alpha[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimeth ylethyl)-4-hydroxyphenyl]-1-oxopropyl]omega[ 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)- 4-hydroxyphenyl]-1-oxoprop	104810-47-1	0.3 - 1
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	0.3 - 1
Dibutyltin dilaurate	77-58-7	0.1 - 0.3
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester	82919-37-7	0.1 - 0.3

If this section is blank, there are no hazardous components per NOHSC guidelines.

# **Section 4: FIRST AID MEASURES**

# 4.1. Description of first aid measures

## **General Advice**

IF exposed or concerned: Get medical advice/attention.

# **Eye Contact**

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.

# Skin contact

If skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.

# **INHALATION**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

#### INGESTION

Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

# 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 doctors**Treat symptomatically.

# **Section 5: FIRE FIGHTING MEASURES**

5.1. Extinguishing media

Suitable Extinguishing Media Dry chemical, CO2, water spray or alcohol-resistant foam.

Not to be used for safety reasons: Strong water jet

# 5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes. May cause sensitisation by skin contact.

# 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Cool containers with flooding quantities of water until well after fire is out. Do not allow run-off from fire-fighting to enter drains or water courses.

HAZCHEM Code: 3YE

# Section 6: ACCIDENTAL RELEASE MEASURES

# 6.1. Personal precautions, protective equipment and emergency procedures

#### **Personal Precautions**

Avoid breathing vapours or mists. Remove all sources of ignition. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Take precautionary measures against static discharges.

# For emergency responders

Use personal protection recommended in Section 8.

# 6.2. Environmental precautions

Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

# 6.3. Methods and material for containment and cleaning up

# **Methods for Containment**

Prevent further leakage or spillage if safe to do so.

# **Methods for Cleaning Up**

Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly. Take up mechanically, placing in appropriate containers for disposal.

#### 6.4. Reference to other sections

See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

# **Section 7: HANDLING AND STORAGE**

#### 7.1. Precautions for safe handling

Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Use personal protection recommended in Section 8. Never use pressure to empty container. Comply with the health and safety at work laws. Prevent product from entering drains. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Use only with adequate ventilation. Do not breathe dust/fume/gas/mist/vapours/spray. Use only in well-ventilated areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded.

# **General hygiene considerations**

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing.

#### 7.2. Conditions for safe storage, including any incompatibilities

#### **Storage Conditions**

Keep/store only in original container. Store in accordance with local regulations. Keep unauthorised personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a dry and well-ventilated place. Keep tightly closed in a dry and cool place.

# Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

# **Exposure Limits**

If S\* appears in the OEL table, it indicates this chemical contains a skin notation.

Chemical name	Australia	New Zealand	ACGIH TLV
Acetone	TWA: 500 ppm	TWA: 500 ppm	STEL: 500 ppm
67-64-1	TWA: 1185 mg/m <sup>3</sup>	TWA: 1185 mg/m <sup>3</sup>	TWA: 250 ppm
	STEL: 1000 ppm	STEL: 1000 ppm	
	STEL: 2375 mg/m <sup>3</sup>	STEL: 2375 mg/m <sup>3</sup>	
n-Butyl acetate	TWA: 150 ppm	TWA: 150 ppm	STEL: 150 ppm
123-86-4	TWA: 713 mg/m <sup>3</sup>	TWA: 713 mg/m <sup>3</sup>	TWA: 50 ppm
	STEL: 200 ppm	STEL: 200 ppm	
	STEL: 950 mg/m <sup>3</sup>	STEL: 950 mg/m <sup>3</sup>	
Methyl n-amyl ketone	TWA: 50 ppm	TWA: 50 ppm	TWA: 50 ppm
110-43-0	TWA: 233 mg/m <sup>3</sup>	TWA: 233 mg/m <sup>3</sup>	
Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6	TWA: 2.5 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup> F
2-Pentanone, 4-methyl-	TWA: 50 ppm	TWA: 50 ppm	STEL: 75 ppm
108-10-1	TWA: 205 mg/m <sup>3</sup>	TWA: 205 mg/m <sup>3</sup>	TWA: 20 ppm
	STEL: 75 ppm	STEL: 75 ppm	
	STEL: 307 mg/m <sup>3</sup>	STEL: 307 mg/m <sup>3</sup>	
Dibutyltin dilaurate	TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	STEL: 0.2 mg/m <sup>3</sup> Sn
77-58-7	STEL: 0.2 mg/m <sup>3</sup>	STEL: 0.2 mg/m <sup>3</sup>	TWA: 0.1 mg/m³ Sn
		S*	S*

# **Biological Limit Values:.**

Chemical name	Australia	New Zealand
Acetone		50 mg/L urine end of shift Acetone
67-64-1		
Benzene, 1-chloro-4-(trifluoromethyl)-		160 µmol/L urine prior to shift Fluoride
98-56-6		3 mg/L urine prior to shift Fluoride
		530 µmol/L urine end of shift Fluoride
		10 mg/L urine end of shift Fluoride
2-Pentanone, 4-methyl-		2 mg/L urine end of shift MIBK
108-10-1		

# 8.2. Exposure controls

# **Engineering controls**

Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

#### **Personal Protective Equipment**

# **Eye/Face Protection**

Tight sealing safety goggles.

# **Skin and Body Protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear suitable protective clothing. Wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

# Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance. Wear protective gloves.

#### **Respiratory Protection**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

#### **Thermal Protection**

No information available

# **Environmental exposure controls**

Do not allow into any sewer, on the ground or into any body of water Local authorities should be advised if significant spillages cannot be contained

# **Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

# 9.1. Information on basic physical and chemical properties

Physical State Liquid

Appearance No information available

Odour Solvent Colour Clear

Odour threshold
PH
No information available
Soiling point / boiling range
Flash Point
No information available
Flash Point
Flash Point
No information available

Method

Evaporation Rate No information available Flammability (solid, gas) No information available

Flammability limit in air

Upper flammability limit:<br/>Lower flammability limitNo information available<br/>No information availableVapour pressureNo information availableVapour DensityNo information available

Specific gravity 96

Solubility(ies) 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** No information available **Explosive Properties** No information available **Oxidising Properties** No information available

9.2. Other information

Molecular Weight No information available

# **Section 10: STABILITY AND REACTIVITY**

## 10.1. Reactivity

No information available.

# 10.2. Chemical stability

Stable under normal conditions.

# 10.3. Possibility of hazardous reactions

# Hazardous polymerisation

None under normal processing.

# Possibility of hazardous reactions

None under normal processing.

# 10.4. Conditions to avoid

Heat, flames and sparks.

#### 10.5. Incompatible materials

Strong oxidising agents.

# 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO2). Chlorine. Chlorine gas.

# Section 11: TOXICOLOGICAL INFORMATION

# Information on Toxicological Effects

# Information on Likely Routes of Exposure

Eye ContactCauses serious eye irritation.Skin contactCAUSES SKIN IRRITATION.INGESTIONMay be harmful if swallowed.INHALATIONMay cause drowsiness or dizziness.

# Numerical Measures of Toxicity - Product Information

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

ATEmix (oral) 3,855.00 Mg/kg
ATEmix (inhalation-dust/mist) 9.60 Mg/l
ATEmix (inhalation-vapour) 71.00 Mg/l

**UNKNOWN ACUTE TOXICITY** 0% of the mixture consists of ingredient(s) of unknown toxicity.

# Numerical Measures of Toxicity - Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	= 5800 mg/kg (Rat)	> 15700 mg/kg (Rabbit)	= 50100 mg/m³ ( Rat ) 8 h
n-Butyl acetate 123-86-4	= 10768 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	= 390 ppm (Rat) 4 h
Methyl n-amyl ketone 110-43-0	= 1600 mg/kg (Rat) = 1670 mg/kg (Rat)	= 12600 μL/kg(Rabbit)= 12.6 mL/kg(Rabbit)	2000 - 4000 ppm (Rat) 6 h
Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6	= 13 g/kg(Rat)	> 2 mL/kg(Rabbit)	= 33 mg/L (Rat)4 h
2-Pentanone, 4-methyl- 108-10-1	= 2080 mg/kg (Rat)	= 3000 mg/kg ( Rabbit )	= 8.2 mg/L (Rat) 4 h
Poly(oxy-1,2-ethanediyl), .alpha[3-[3-(2H-benzotriazol-2-yl)- 5-(1,1-dimethylethyl)-4-hydroxyphen yl]-1-oxopropyl]omegahydroxy- 104810-48-2		-	-
Poly(oxy-1,2-ethanediyl),	-	-	-

.alpha[3-[3-(2H-benzotriazol-2-yl)- 5-(1,1-dimethylethyl)-4-hydroxyphen yl]-1-oxopropyl]omega[3-[3-(2H-b enzotriazol-2-yl)-5-(1,1-dimethylethy l)-4-hydroxyphenyl]-1-oxoprop 104810-47-1			
Bis(1,2,2,6,6-pentamethyl-4-piperidy I) sebacate 41556-26-7	= 2615 mg/kg(Rat)	-	-
Dibutyltin dilaurate 77-58-7	= 175 mg/kg (Rat) = 45 mg/kg ( Rat)	= 630 mg/kg (Rabbit)	-
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester 82919-37-7	-	-	-

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

Skin Corrosion/IrritationCAUSES SKIN IRRITATIONSerious eye damage/eye irritationCauses serious eye irritation

Skin SensitisationNot applicableRespiratory SensitisationNot applicableGerm Cell MutagenicityNot applicableCarcinogenicityNot applicableReproductive toxicityNot applicable

Specific target organ toxicity (single exposure)

May cause drowsiness or dizziness

Dibutyltin dilaurate

**Thymus** 

Specific target organ toxicity (repeated exposure)

Dibutyltin dilaurate

Thymus

Not applicable

Aspiration Hazard Not applicable

# **Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity** Harmful to aquatic life with long lasting effects

**Environmental Precautions** Prevent product from entering drains.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Acetone 67-64-1		4.74 - 6.33 mL/L Oncorhynchus mykiss 96h LC50 6210 - 8120 mg/L Pimephales promelas 96h LC50 = 8300 mg/L Lepomis macrochirus 96h LC50	12600 - 12700 mg/L Daphnia magna 48h EC50 10294 - 17704 mg/L Daphnia magna 48h EC50
n-Butyl acetate 123-86-4	= 674.7 mg/L Desmodesmus subspicatus 72 h EC50	= 62 mg/L Leuciscus idus 96h LC50 17 - 19 mg/L Pimephales promelas 96h LC50 = 100 mg/L Lepomis macrochirus 96h LC50	= 72.8 mg/L Daphnia magna 24h EC50
Methyl n-amyl ketone 110-43-0		126 - 137 mg/L Pimephales promelas 96h LC50	
Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6		11.5 - 15.8 mg/L Lepomis macrochirus 48h LC50	= 3.68 mg/L Daphnia magna 48h EC50
2-Pentanone, 4-methyl- 108-10-1	= 400 mg/L Pseudokirchneriella subcapitata 96 h EC50	496 - 514 mg/L Pimephales promelas 96h LC50	= 170 mg/L Daphnia magna 48h EC50
Bis(1,2,2,6,6-pentamethyl-4-piperidy I) sebacate 41556-26-7		= 0.97 mg/L Lepomis macrochirus 96h LC50	= 20 mg/L Daphnia magna 24h EC50
Dibutyltin dilaurate 77-58-7		= 2 mg/L Oryzias latipes 48h LC50	

Persistence and DegradabilityNo information available.BioaccumulationNo information available.

Chemical name	Partition Coefficient (n-octanol/water)
Acetone 67-64-1	-0.24
n-Butyl acetate 123-86-4	1.81
Methyl n-amyl ketone 110-43-0	1.98
Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6	3.7
2-Pentanone, 4-methyl- 108-10-1	1.19
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate 41556-26-7	0.37

# **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.

No information available.

**Contaminated Packaging** 

**Mobility** 

Improper disposal or reuse of this container may be dangerous and illegal. Empty

containers must be scrapped or reconditioned.

# Section 14: TRANSPORT INFORMATION

14.1 UN/ID no 14.2 Proper Shipping Name	IMDG UN1263 Paint	ADG UN1263 Paint	IATA UN1263 Paint
14.3 Hazard class	3	3	3
14.4 Packing group	II	II	II
14.5 Environmental hazard			
14.6 Special Provisions	163, 367 <b>EmS-No</b> F-E. S-E	163, 367	A3, A72, A192
14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC CODE			nformation available

HAZCHEM Code: 3YE

The supplier may apply one of the following exceptions: Combustible Liquid (49 CFR 173.150(f)); Consumer Commodity (49 CFR 173.150(c), ICAO/IATA SP A112); Limited Quantity (49 CFR 173.150(b), ICAO Part 3 Chapter 4, IATA 2.7, IMDG Chapter 3.4); Viscous Liquid (49 CFR 173.121(b), IMDG 2.3.2.2, IATA 3.3.3.1.1, ICAO 3.2.2, ADR 2.2.3.1.5); Does Not Sustain Combustion (49 CFR 173.120(a), IATA 3.3.1.3, ICAO 3.1.3, IMDG 2.3.1.3, ADR 2.2.3.1.1 Note 1); or others as allowed under hazardous materials/dangerous goods regulations.

# **Section 15: REGULATORY INFORMATION**

# 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

# **National Regulations**

# **Australia**

See section 8 for national exposure control parameters

**New Zealand** 

See section 8 for national exposure control parameters

# ERMA New Zealand HSNO approval code or group standard

HSR002662: SURFACE COATINGS AND COLOURANTS (FLAMMABLE)

#### **International Inventories**

**AICS** - Australian Inventory of Chemical Substances **NZIOC** - New Zealand Inventory of Chemicals

Not all components are listed or exempt from listing All components are listed or exempt from listing

# 15.2. Chemical safety assessment

No information available

# **Section 16: OTHER INFORMATION**

**Supplier Address** 

Valspar Automotive Australia Pty
Limited
Unit 11/8 Kerta Road
Kincumber, NSW 2251

DBNZ Coatings Limited
6 Killarney Lane
Hamilton 3243
New Zealand

Australia T: +64 7847 0944 F: +64 7847 0932

www.valsparautomotive.com.au

Prepared by Product Stewardship

Revision Date 04-Nov-2019

Revision note Not applicable.

#### **Disclaimer**

The information on this Safety Data Sheet (SDS) is based on the present state of our knowledge, current national legislation and guidelines. As the specific conditions of use of the product are outside the supplier's knowledge and control the user is responsible for ensuring that the requirements of relevant legislation are complied with. This SDS should not be construed as any guarantee of the technical performance or suitability for particular applications. UNLESS SUPPLIER AGREES OTHERWISE IN WRITING, SUPPLIER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. SUPPLIER WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

**End of Safety Data Sheet**