

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name SCUFF-X INTERIOR MATTE FINISH BASE 1
Product Code N4841X
Alternate Product Code N4841X
Product Class Water thinned paint
Colour All
Recommended use Paint

Manufacturer
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
Phone: 1-866-708-9180
www.benjaminmoore.com

Only Representative (OR)
ITS Testing Services (UK) Ltd.
Bainbridge House
86-90 London Road
Manchester
United Kingdom
M1 2PW
e-mail: ies01.reach@intertek.com

Supplier
Benjamin Moore UK Ltd.
804 Oxford Avenue
Slough SL1 4LN
Ph: +44 (0) 1753 575756
www.benjaminmoorepaint.co.uk

Emergency Telephone CHEMTREC: +1-703-741-5970
CHEMTREC: (United Kingdom Local Number): +44-870-8200418
CHEMTREC: (London Local Number) +(44)-203-8073798

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin sensitisation	Category 1A - (H317)
Chronic aquatic toxicity	Category 3 - (H412)

2.2. Label elements

Product Identifier
Contains 2-Methyl-4-isothiazolin-3-one



Signal word

Warning

Hazard statements

H317 - May cause an allergic skin reaction

H412 - Harmful to aquatic life with long lasting effects

EUH208 - Contains 1,2-Benzisothiazolin-3-one, Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester, Carbamic acid, butyl-, 3-iodo-2-propynyl ester, 5-Chloro-2-methyl-3(2H)-isothiazolone mixture with 2-methyl-3(2H)-isothiazolone (3:1), Pentanedial May produce an allergic reaction

EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist

Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray

P280 - Wear protective gloves

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap

P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other hazards

Other hazards Harmful to aquatic life

General Hazards No information available

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS**3.1 Substances**

Not applicable

3.2 Mixtures

Chemical name	EINECS/ELINCS No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number	UK REACH Registration Number (DUIN)
Titanium dioxide	236-675-5 257-372-4	13463-67-7	>=20 - <25	Not available	01-2119489379-17-0168	UK-01-733619750 6-0-0011
Kaolin, calcined	266-340-9	66402-68-4	>=1 - <5	Not available		
1,2-Benzisothiazolin-3-one	220-120-9	2634-33-5	>=0.01 - < 0.05	Acute Tox 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400)		
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester	234-232-0	10605-21-7	>=0.01 - < 0.05	Skin Sens. 1 (H317) Muta. 1B (H340) Repr. 1B (H360FD) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		
Pentanedial	203-856-5	111-30-8	>=0.01 - < 0.05	Acute Tox. 3		

				(H301) Acute Tox. 2 (H330) Skin Corr. 1B (H314) Resp. Sens. 1 (H334) Skin Sens. 1A (H317) STOT SE 3 (H335) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411) (EUH071)		
Carbamic acid, butyl-, 3-iodo-2-propynyl ester	259-627-5	55406-53-6	>=0.01 - < 0.05	Acute Tox. 4 (H302) Acute Tox. 3 (H331) Eye Dam. 1 (H318) Skin Sens. 1 (H317) STOT RE 1 (H372) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		
2-Methyl-4-isothiazolin-3-one	220-239-6	2682-20-4	>=0.001 - <0.005	Skin Corr. 1B (H314) Eye Dam 1 (H318) Skin Sens. 1A (H317) Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic chronic 1 (H410)		
5-Chloro-2-methyl-3(2H)-isothiazolone mixture with 2-methyl-3(2H)-isothiazolone (3:1)	247-500-7 220-239-6	55965-84-9	>=0.001 - <0.005	Acute Tox. 3 (H301) Acute Tox. 2 (H310) Acute Tox. 3 (H330) Skin Corr. 1C (H314) Eye Dam 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

Description of first aid measures

General Advice

No hazards which require special first aid measures.

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.

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

Most Important Symptoms/Effects May cause allergic skin reaction.

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

Notes To Physician Treat symptomatically.

Section 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media No information available.

5.2. Special hazards arising from the substance or mixture

Specific Hazards Arising From The Chemical Closed containers may rupture if exposed to fire or extreme heat.

Sensitivity to static discharge No

Sensitivity to mechanical impact No

5.3. Advice for firefighters

Protective equipment and precautions for firefighters Wear self-contained breathing apparatus and protective suit.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Other Information Observe all relevant local and international regulations.

6.2. Environmental precautions

Environmental precautions Prevent spreading of vapours through sewers, ventilation systems and confined areas.

6.3. Methods and material for containment and cleaning up

Methods for Containment Absorb with inert material and place in suitable container for disposal.

Methods for Cleaning Up Clean contaminated surface thoroughly.

6.4. Reference to other sections

Other information See Section 12 for additional information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Hygiene Measures Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed. Keep out of the reach of children.

7.3. Specific end use(s)

Specific Uses Architectural coating. Apply as directed. Refer to product label / literature for specific instructions.

Risk Management Methods (RMM) Not Applicable.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chemical name	European Union	Belgium	Bulgaria	Cyprus	France	Ireland
Titanium dioxide 13463-67-7	-	TWA: 10 mg/m ³	TWA: 10.0 mg/m ³ TWA: 1.0 mg/m ³	-	TWA: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³
Kaolin, calcined 66402-68-4	-	-	TWA: 0.05 mg/m ³ TWA: 1.0 mg/m ³	TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³	-	TWA: 5 mg/m ³ TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³ STEL: 10 mg/m ³ STEL: 0.6 mg/m ³ STEL: 0.15 mg/m ³
Chemical name	Germany TRGS	Greece	Hungary	Iceland	Italy MDLPS	Latvia
Titanium dioxide 13463-67-7	-	TWA: 10 mg/m ³ TWA: 5 mg/m ³	-	6 mg/m ³ TWA	-	TWA: 10 mg/m ³
Kaolin, calcined 66402-68-4	TWA: 0.2 mg/m ³ TWA: 0.02 mg/m ³	TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³ TWA: 5 mg/m ³	-	-	-	TWA: 2 mg/m ³ TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³

Chemical name	STEL: 10 mg/m ³						
	Lithuania	Netherlands	Poland	Romania	Spain	Sweden	United Kingdom
Titanium dioxide 13463-67-7	TWA: 5 mg/m ³	-	STEL: 30 mg/m ³ TWA: 10 mg/m ³	TWA: 10 mg/m ³ STEL: 15 mg/m ³	TWA: 10 mg/m ³	TLV: 5 mg/m ³	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³
Kaolin, calcined 66402-68-4	TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³	TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³	STEL: 10 mg/m ³ TWA: 5 mg/m ³ TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³	TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³ TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³ TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³ STEL: 10 mg/m ³	-	TWA: 5 mg/m ³ TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³ STEL: 10 mg/m ³ STEL: 0.6 mg/m ³ STEL: 0.15 mg/m ³

8.2. Exposure controls

Occupational exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Respiratory Protection

In case of insufficient ventilation wear suitable respiratory equipment.

Eye Protection

Safety glasses with side-shields.

Skin Protection

Lightweight protective clothing.

Hand protection

Impervious gloves.

Hygiene Measures

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	liquid
Odour	little or no odor
Odour Threshold	No information available

Property	Values	Remarks	Method
Density (g/L)	1258 - 1306	None known	
Relative Density	1.25 - 1.30		
pH	No information available	None known	
Viscosity (cps)	No information available	None known	
Solubility(ies)	No information available	None known	
Water solubility	No information available	None known	
Evaporation Rate	No information available	None known	
Vapour pressure @20 °C (kPa)	No information available	None known	
Relative vapour density	No information available	None known	
Wt. % Solids	50 - 60	None known	
Vol. % Solids	35 - 45	None known	
Wt. % Volatiles	40 - 50	None known	
Vol. % Volatiles	55 - 65	None known	

Boiling Point (°C)	100	None known
Freezing Point (°C)	0	None known
Melting Point (°C)	No information available	None known
Pour Point	No information available	None known
Flash Point (°C)	Not applicable	None known
Flammability (solid, gas)	No information available	None known
Upper flammability limit:	No information available	None known
Lower flammability limit	No information available	None known
Autoignition Temperature (°C)	No information available	None known
Decomposition Temperature (°C)	No information available	None known
Partition coefficient	No information available	None known
Explosive properties	No information available	None known
Oxidising Properties	No information available	None known

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity Not Applicable.

10.2. Chemical stability

Chemical Stability Stable under normal conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal conditions of use.

10.4. Conditions to avoid

Conditions to avoid Prevent from freezing.

10.5. Incompatible materials

Incompatible Materials No materials to be especially mentioned.

10.6. Hazardous decomposition products

Hazardous Decomposition Products None under normal conditions of use.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Product Information

Inhalation	There is no data available for this product.
Eye contact	There is no data available for this product.
Skin contact	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Ingestion	There is no data available for this product.

Acute Toxicity**Component Information**

Caution - This mixture contains a substance not yet fully tested

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)		
1,2-Benzisothiazolin-3-one 2634-33-5	= 1020 mg/kg (Rat)	> 2000 mg/kg (Rat)	
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester 10605-21-7	> 5050 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	
Pentanedial 111-30-8	= 252 mg/kg (Rat)	= 1800 mg/kg (Rabbit) = 560 µL/kg (Rabbit)	= 40.1 ppm (Rat) 4 h = 23.5 ppm (Rat) 4 h
Carbamic acid, butyl-, 3-iodo-2-propynyl ester 55406-53-6	= 1470 mg/kg (Rat)	> 2000 mg/kg (Rat)	= 0.67 mg/L (Rat) 4 h = 0.63 mg/L (Rat) 4 h = 0.99 mg/L (Rat) 4 h
2-Methyl-4-isothiazolin-3-one 2682-20-4		= 200 mg/kg (Rabbit)	
5-Chloro-2-methyl-3(2H)-isothiazolo ne mixture with 2-methyl-3(2H)-isothiazolone (3:1) 55965-84-9	= 53 mg/kg (Rat) = 481 mg/kg (Rat) 232 - 249 mg/kg (Rat) = 120 mg/kg (Rat)	= 87.12 mg/kg (Rabbit) = 200 mg/kg (Rabbit)	= 1.23 mg/L (Rat) 4 h = 0.11 mg/L (Rat) 4 h

Skin corrosion/irritation

No information available.

Eye damage/irritation

No information available.

Sensitisation

May cause an allergic skin reaction.

Mutagenic Effects

No information available.

Carcinogenic effects

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

Chemical name	European Union	IARC
Titanium dioxide 13463-67-7		2B - Possible Human Carcinogen

• Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

Legend

IARC - International Agency for Research on Cancer

Reproductive Effects

Possible risk of impaired fertility. Possible risk of harm to the unborn child.

Developmental Effects

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Neurological Effects

No information available.

Target organ effects	No information available.
Symptoms	No information available.
Aspiration Hazard	No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

The environmental impact of this product has not been fully investigated

Chemical name	Algae/aquatic plants	Fish	Crustacea
Pentanedial 111-30-8	EC50: =0.61mg/L (72h, Desmodesmus subspicatus) EC50: =0.84mg/L (96h, Desmodesmus subspicatus)	LC50: 2.6 - 4.8mg/L (96h, Oncorhynchus mykiss) LC50: 7.8 - 13mg/L (96h, Oncorhynchus mykiss) LC50: 7.8 - 22mg/L (96h, Lepomis macrochirus) LC50: =5.4mg/L (96h, Pimephales promelas)	EC50: 0.56 - 1.0mg/L (48h, Daphnia magna) EC50: =14mg/L (48h, Daphnia magna)
Carbamic acid, butyl-, 3-iodo-2-propynyl ester 55406-53-6		LC50: 0.049 - 0.079mg/L (96h, Oncorhynchus mykiss) LC50: 0.05 - 0.089mg/L (96h, Oncorhynchus mykiss) LC50: 0.14 - 0.32mg/L (96h, Lepomis macrochirus) LC50: 0.18 - 0.23mg/L (96h, Pimephales promelas)	
5-Chloro-2-methyl-3(2H)-isothiazolo ne mixture with 2-methyl-3(2H)-isothiazolone (3:1) 55965-84-9	EC50: 0.11 - 0.16mg/L (72h, Pseudokirchneriella subcapitata) EC50: 0.03 - 0.13mg/L (96h, Pseudokirchneriella subcapitata)	LC50: =1.6mg/L (96h, Oncorhynchus mykiss)	EC50: =4.71mg/L (48h, Daphnia magna) EC50: 0.12 - 0.3mg/L (48h, Daphnia magna) EC50: 0.71 - 0.99mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

Persistence / Degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Chemical name	Partition coefficient
1,2-Benzisothiazolin-3-one 2634-33-5	1.3
Pentanedial 111-30-8	0.22
5-Chloro-2-methyl-3(2H)-isothiazolone mixture with 2-methyl-3(2H)-isothiazolone (3:1) 55965-84-9	-0.71 - 0.75

12.4. Mobility in soil

Mobility in soil No information available.

Mobility in Environmental Media No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

No information available.

Chemical name	PBT and vPvB assessment
Titanium dioxide 13463-67-7	The substance is not PBT / vPvB PBT assessment does not apply
Kaolin, calcined 66402-68-4	PBT assessment does not apply
1,2-Benzisothiazolin-3-one 2634-33-5	The substance is not PBT / vPvB
Pentanedial 111-30-8	The substance is not PBT / vPvB
Carbamic acid, butyl-, 3-iodo-2-propynyl ester 55406-53-6	The substance is not PBT / vPvB PBT assessment does not apply
2-Methyl-4-isothiazolin-3-one 2682-20-4	The substance is not PBT / vPvB
5-Chloro-2-methyl-3(2H)-isothiazolone mixture with 2-methyl-3(2H)-isothiazolone (3:1) 55965-84-9	The substance is not PBT / vPvB

12.6. Other adverse effects**Other adverse effects**

No information available

Chemical name	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Endocrine disrupting potential
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester	Group II Chemical		

Section 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods****Waste from Residues/Unused Products**

Dispose of in accordance with the European Directives on waste and hazardous waste.

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

EWC waste disposal No

No information available

Other Information

Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORT INFORMATION**IMDG**

Not regulated

RID

Not regulated

ADR

Not regulated

ADN

Not regulated

IATA

Not regulated

Section 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Occupational Illnesses (R-463-3, France)**

Chemical name	French RG number
1,2-Benzisothiazolin-3-one 2634-33-5	RG 65
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester 10605-21-7	RG 5, RG 14, RG 15, RG 15bis, RG 20bis, RG 2, RG 9, RG 14, RG 20, RG 34, RG 65
Pentanedial 111-30-8	RG 65, RG 66

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

International Inventories**AIIC****DSL: Canada****EINECS: European Union Inventory of Existing Substances****ENCS****IECSC****KECL****PICCS****TSCA: United States**

No - Not all of the components are listed.

Yes - All components are listed or exempt.

No - Not all of the components are listed.

No - Not all of the components are listed.

No - Not all of the components are listed.

No - Not all of the components are listed.

No - Not all of the components are listed.

Yes - All components are listed or exempt.

Legend**AICS** - Australian Inventory of Chemical Substances**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**IECSC** - China Inventory of Existing Chemical Substances**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**15.2. Chemical safety assessment****Chemical Safety Report**

No information available

Section 16: OTHER INFORMATION**Full text of H-Statements referred to under section 3**

EUH071 - Corrosive to the respiratory tract

H301 - Toxic if swallowed

H302 - Harmful if swallowed

H310 - Fatal in contact with skin

H311 - Toxic in contact with skin

H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H330 - Fatal if inhaled
H331 - Toxic if inhaled
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 - May cause respiratory irritation
H340 - May cause genetic defects
H360FD - May damage fertility. May damage the unborn child
H372 - Causes damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H411 - Toxic to aquatic life with long lasting effects

Classification procedure:	Expert judgment and weight of evidence determination
Key literature references and sources for data	Data from internal and external sources
Prepared By	Product Stewardship Department Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645 800-225-5554
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End of Safety Data Sheet