

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture 6196 METALLIC BLUE - HIGH TEMP
Registration number -
Synonyms None.
Product code 1A52H450
Issue date 16-January-2018
Version number 01

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

Identified uses Stove paint.
Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Supplier

Company name Stove Bright Paints
Address 25/10 Victoria Ave.
AU
Division
Telephone 02 96348966
e-mail stove@bigpond.net.au
Contact person Not available.

1.4. Emergency telephone number 1800 4249300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification F+;R12, Carc. Cat. 2;R45, Repr. Cat. 3;R63, Xn;R48/20, Xi;R36/38, R66-67, R52/53

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

Aerosols Category 2
Gases under pressure Compressed gas

Health hazards

Acute toxicity, oral Category 4
Acute toxicity, dermal Category 4
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 1
Reproductive toxicity (the unborn child) Category 2
Specific target organ toxicity - single exposure Category 3 narcotic effects
Specific target organ toxicity - repeated exposure Category 2
Aspiration hazard Category 1

Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard Category 3

Hazard summary

Physical hazards Extremely flammable.
Health hazards May cause cancer. Irritating to eyes and skin. Also harmful: danger of serious damage to health by prolonged exposure through inhalation. Possible risk of harm to the unborn child. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.
Environmental hazards Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Specific hazards Not available.

Main symptoms Not available.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: ACETONE, N-Butyl Alcohol, Toluene, XYLENE

Hazard pictograms None.

Signal word None.

Hazard statements The mixture does not meet the criteria for classification.

Precautionary statements

Prevention Not available.

Response Not available.

Storage Not available.

Disposal Not available.

Supplemental label information None.

2.3. Other hazards None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
ACETONE	30 - < 40	67-64-1 200-662-2	-	606-001-00-8	#
Classification:	DSD: F;R11, Xi;R36, R66-67 CLP: Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336				
Toluene	20 - < 30	108-88-3 203-625-9	-	601-021-00-3	#
Classification:	DSD: F;R11, Repr. Cat. 3;R63, Xn;R65-48/20, Xi;R38, R67 CLP: Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Repr. 2;H361d, STOT RE 2;H373, Aquatic Chronic 3;H412				
N-Butyl Alcohol	3 - < 5	71-36-3 200-751-6	-	603-004-00-6	
Classification:	DSD: R10, Xn;R22, Xi;R37/38-41, R67 CLP: Flam. Liq. 3;H226, Acute Tox. 4;H302, Skin Irrit. 2;H315, Eye Dam. 1;H318, STOT SE 3;H335, STOT SE 3;H336, Aquatic Chronic 3;H412				
Cobalt aluminate blue spinel	1 - < 3	1345-16-0 310-193-6	-	-	
Classification:	DSD: - CLP: Eye Irrit. 2;H319				
Copper chromite black spinel	1 - < 3	68186-91-4 269-053-7	-	-	#
Classification:	DSD: - CLP: -				
XYLENE	1 - < 3	1330-20-7 215-535-7	-	601-022-00-9	#
Classification:	DSD: R10, Xn;R20/21, Xi;R38 CLP: Flam. Liq. 3;H226, Acute Tox. 4;H312, Skin Irrit. 2;H315, Acute Tox. 4;H332, Aquatic Chronic 3;H412				C C
Aluminium	< 1	7429-90-5 231-072-3	-	013-002-00-1	
Classification:	DSD: F;R11-R15-R17 CLP: Flam. Sol. 1;H228, Pyr. Sol. 1;H250, Water-React. 2;H261, Aquatic Acute 1;H400, Aquatic Chronic 1;H410				T

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
ETHYL BENZENE	< 0,3	100-41-4 202-849-4	-	601-023-00-4	#
Classification:	DSD: F;R11, Xn;R20-65-48/20 CLP: Flam. Liq. 2;H225, Asp. Tox. 1;H304, Acute Tox. 4;H332, Carc. 2;H351, STOT RE 2;H373, Aquatic Chronic 3;H412				

SECTION 4: First aid measures

General information Not available.

4.1. Description of first aid measures

Inhalation Not available.

Skin contact Not available.

Eye contact Not available.

Ingestion Not available.

4.2. Most important symptoms and effects, both acute and delayed Not available.

4.3. Indication of any immediate medical attention and special treatment needed Not available.

SECTION 5: Firefighting measures

General fire hazards Not available.

5.1. Extinguishing media

Suitable extinguishing media Not available.

Unsuitable extinguishing media Not available.

5.2. Special hazards arising from the substance or mixture Not available.

5.3. Advice for firefighters

Special protective equipment for firefighters Not available.

Special fire fighting procedures Not available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Not available.

For emergency responders Not available.

6.2. Environmental precautions Not available.

6.3. Methods and material for containment and cleaning up Not available.

6.4. Reference to other sections Not available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Not available.

7.2. Conditions for safe storage, including any incompatibilities Not available.

7.3. Specific end use(s) Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

Components	Type	Value	Form
ACETONE (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm	
Aluminium (CAS 7429-90-5)	STEL	3 mg/m3	Fume.
		10 mg/m3	Dust.
	TWA	3 mg/m3 1 mg/m3	Dust. Fume.
BUTANE (CAS 106-97-8)	STEL	1500 mg/m3	
	TWA	1200 mg/m3	
Copper chromite black spinel (CAS 68186-91-4)	TWA	0,5 mg/m3	
ETHYL BENZENE (CAS 100-41-4)	STEL	884 mg/m3	
		200 ppm	
	TWA	442 mg/m3 100 ppm	
N-Butyl Alcohol (CAS 71-36-3)	STEL	200 mg/m3	
		66 ppm	
PROPANE (CAS 74-98-6)	TWA	100 mg/m3 33 ppm	
	STEL	1800 mg/m3 1000 ppm	
	TWA	1400 mg/m3 778 ppm	
Toluene (CAS 108-88-3)	STEL	384 mg/m3 100 ppm	
		192 mg/m3	
	TWA	50 ppm	
XYLENE (CAS 1330-20-7)	STEL	442 mg/m3 100 ppm	
		221 mg/m3	
	TWA	50 ppm	

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU

Components	Type	Value
ACETONE (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm
Copper chromite black spinel (CAS 68186-91-4)	TWA	2 mg/m3
ETHYL BENZENE (CAS 100-41-4)	STEL	884 mg/m3
		200 ppm
Toluene (CAS 108-88-3)	TWA	442 mg/m3 100 ppm
	STEL	384 mg/m3 100 ppm
	TWA	192 mg/m3 50 ppm
XYLENE (CAS 1330-20-7)	STEL	442 mg/m3 100 ppm
		221 mg/m3
	TWA	50 ppm

Biological limit values

No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures

Not available.

Derived no effect levels (DNELs)

Not available.

Predicted no effect concentrations (PNECs)

Not available.

Exposure guidelines

Romania OELs: Skin designation

ETHYL BENZENE (CAS 100-41-4)
Toluene (CAS 108-88-3)
XYLENE (CAS 1330-20-7)

Can be absorbed through the skin.
Can be absorbed through the skin.
Can be absorbed through the skin.

8.2. Exposure controls

Appropriate engineering controls Not available.

Individual protection measures, such as personal protective equipment

General information Not available.

Eye/face protection Not available.

Skin protection

- **Hand protection** Not available.

- **Other** Not available.

Respiratory protection Not available.

Thermal hazards Not available.

Hygiene measures Not available.

Environmental exposure controls Not available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state Liquid.

Form Aerosol

Colour Metallic. Blue

Odour Solvent.

Odour threshold Not available.

pH Not available.

Melting point/freezing point -187,6 °C (-305,68 °F) estimated

Initial boiling point and boiling range Not available.

Flash point -92,0 °C (-133,6 °F)

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) 1,3 % estimated

Flammability limit - upper (%) 12,8 % estimated

Vapour pressure 1485,64 hPa estimated

Vapour density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) 0 %

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Explosive properties Not available.

Oxidising properties Not available.

9.2. Other information

Density 6,43 lb/gal

Percent volatile 90,3 %w/w

Specific gravity 0,77

VOC 414,27 g/l Material
643,77 g/l COATING

SECTION 10: Stability and reactivity

10.1. Reactivity Not available.
10.2. Chemical stability Not available.
10.3. Possibility of hazardous reactions Not available.
10.4. Conditions to avoid Not available.
10.5. Incompatible materials Not available.
10.6. Hazardous decomposition products Not available.

SECTION 11: Toxicological information

General information Not available.

Information on likely routes of exposure

Inhalation Not available.
Skin contact Not available.
Eye contact Not available.
Ingestion Not available.

Symptoms Not available.

11.1. Information on toxicological effects

Acute toxicity No data available.
Skin corrosion/irritation Not available.
Serious eye damage/eye irritation Not available.
Respiratory sensitisation Not available.
Skin sensitisation Not available.
Germ cell mutagenicity Not available.

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Cobalt aluminate blue spinel (CAS 1345-16-0)	2B Possibly carcinogenic to humans.
Copper chromite black spinel (CAS 68186-91-4)	3 Not classifiable as to carcinogenicity to humans.
ETHYL BENZENE (CAS 100-41-4)	2B Possibly carcinogenic to humans.
Toluene (CAS 108-88-3)	3 Not classifiable as to carcinogenicity to humans.
XYLENE (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Not available.

Specific target organ toxicity - single exposure Not available.

Specific target organ toxicity - repeated exposure Not available.

Aspiration hazard Not available.

Mixture versus substance information Not available.

Other information Not available.

SECTION 12: Ecological information

12.1. Toxicity

Components		Species	Test results
ACETONE (CAS 67-64-1)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	10294 - 17704 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/l, 96 hours
Aluminium (CAS 7429-90-5)			
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0,16 mg/l, 96 hours

Components	Species		Test results
ETHYL BENZENE (CAS 100-41-4)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1,37 - 4,4 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus)	7,711 - 9,591 mg/l, 96 hours
		Fathead minnow (Pimephales promelas)	11,5 - 12,7 mg/l, 96 hours
N-Butyl Alcohol (CAS 71-36-3)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1897 - 2072 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus)	100 - 500 mg/l, 96 hours
Toluene (CAS 108-88-3)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	19,6 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	14,1 - 17,16 mg/l, 96 hours
XYLENE (CAS 1330-20-7)			
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	10,464 - 16,114 mg/l, 96 hours 7,711 - 9,591 mg/l, 96 hours

12.2. Persistence and degradability Not available.

12.3. Bioaccumulative potential Not available.

Partition coefficient n-octanol/water (log Kow)

ACETONE	-0,24
ETHYL BENZENE	3,15
N-Butyl Alcohol	0,88
Toluene	2,73
XYLENE	3,12 - 3,2

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil Not available.

12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture.

12.6. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Not available.

Contaminated packaging Not available.

EU waste code Not available.

SECTION 14: Transport information

ADR

14.1. UN number UN1950

14.2. UN proper shipping name Aerosols, flammable

14.3. Transport hazard class(es)

Class 2.1

Subsidiary risk -

Label(s) 2.1

Hazard No. (ADR) Not available.

Tunnel restriction code Not available.

14.4. Packing group Not available.

14.5. Environmental hazards No.

14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

RID

14.1. UN number UN1950

14.2. UN proper shipping name Aerosols, flammable
14.3. Transport hazard class(es)
 Class 2.1
 Subsidiary risk -
 Label(s) 2.1
14.4. Packing group Not available.
14.5. Environmental hazards No.
14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

ADN

14.1. UN number UN1950
14.2. UN proper shipping name Aerosols, flammable
14.3. Transport hazard class(es)
 Class 2.1
 Subsidiary risk -
 Label(s) 2.1
14.4. Packing group Not available.
14.5. Environmental hazards No.
14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA

14.1. UN number ID8000
14.2. UN proper shipping name Consumer commodity
14.3. Transport hazard class(es)
 Class 9
 Subsidiary risk ORM-D
14.4. Packing group Not available.
14.5. Environmental hazards No.
14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Other information
 Passenger and cargo aircraft Allowed with restrictions.
 Cargo aircraft only Allowed with restrictions.

IMDG

14.1. UN number UN1950
14.2. UN proper shipping name Aerosols, flammable
14.3. Transport hazard class(es)
 Class 2.1
 Subsidiary risk -
 Label(s) 2.1
14.4. Packing group Not available.
14.5. Environmental hazards
 Marine pollutant No.
EmS F-D, S-U
14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code Not established.



SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

ACETONE (CAS 67-64-1)

Aluminium (CAS 7429-90-5)

ETHYL BENZENE (CAS 100-41-4)

Toluene (CAS 108-88-3)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

ACETONE (CAS 67-64-1)

Aluminium (CAS 7429-90-5)

ETHYL BENZENE (CAS 100-41-4)

N-Butyl Alcohol (CAS 71-36-3)

Toluene (CAS 108-88-3)

XYLENE (CAS 1330-20-7)

National regulations Not available.

15.2. Chemical safety assessment Not available.

SECTION 16: Other information

List of abbreviations Not available.

References Not available.

Information on evaluation method leading to the classification of mixture Not available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15

R10 Flammable.
R11 Highly flammable.
R12 Extremely flammable.
R15 Contact with water liberates extremely flammable gases.
R17 Spontaneously flammable in air.
R20 Harmful by inhalation.
R20/21 Harmful by inhalation and in contact with skin.
R22 Harmful if swallowed.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R37/38 Irritating to respiratory system and skin.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R45 May cause cancer.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R63 Possible risk of harm to the unborn child.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H228 Flammable solid.
H250 Catches fire spontaneously if exposed to air.
H261 In contact with water releases flammable gases.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H361d Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Revision information

Product and Company Identification: Product Uses
Physical & Chemical Properties: Multiple Properties
Regulatory Information: United States
GHS: Classification

Training information

Not available.

Disclaimer

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create any warranty, expressed or implied. It is the responsibility of the user to determine the applicability of this information and the suitability of the material or product for any particular purpose.