

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 25/10/2018 Revision date: 27/12/2018 Version: 4.1

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

1.1. Product identifier

Product form : Mixture

Trade name : TECH HIGH TEMPERATURE PAINT BLACK A104

UFI : 3UE0-D0DT-N004-AF66

Product code : 204 Vaporizer : Aerosol

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

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Spraying paint (spray can)

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Novasol Spray, S.A.

P.I.: Empalme - C/ Empalme, 27 43712 Llorenç del Penedès - Spain T +34 977 677 305 - F +34 977 678 072

novasol@novasolspray.com - www.novasolspray.com

1.4. Emergency telephone number

Emergency number : +34 977 677 305

Office hours: Monday-Friday 8:30 AM-6:00 PM GMT+1

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol, Category 1 H222;H229
Acute toxicity (inhalation:dust,mist) Category 4 H332
Skin corrosion/irritation, Category 2 H315

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol. Harmful if inhaled. Causes skin irritation. May cause damage to organs through prolonged or repeated exposure.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :





GHS02 GHS07

Signal word (CLP) : Danger

Contains : Xilene + Etilbencene

Hazard statements (CLP) : H222 - Extremely flammable aerosol.

H229 - Pressurised container: May burst if heated.

H315 - Causes skin irritation. H332 - Harmful if inhaled.

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Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P211 - Do not spray on an open flame or other ignition source.

P251 - Do not pierce or burn, even after use.
P271 - Use only outdoors or in a well-ventilated area.
P312 - Call a POISON CENTRE or doctor if you feel unwell.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Child-resistant fastening : Not applicable Tactile warning : Applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Xilene + Etilbencene substance with a Community workplace exposure limit (Note C)	-	≥ 20 - < 50	Flam. Liq. 2, H225 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315
dimethyl ether (Aerosol propellants) substance with a Community workplace exposure limit (Note U)	CAS-No.: 115-10-6 EC-No.: 204-065-8 EC Index-No.: 603-019-00-8 REACH-no: 01-2119472128- 37	≥ 20 - < 50	Flam. Gas 1A, H220 Press. Gas
ethylbenzene substance with a Community workplace exposure limit	CAS-No.: 100-41-4 EC-No.: 202-849-4 EC Index-No.: 601-023-00-4 REACH-no: 01-2119489370- 35	≥1-<3	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
2-methoxy-1-methylethyl acetate substance with a Community workplace exposure limit	CAS-No.: 108-65-6 EC-No.: 203-603-9 EC Index-No.: 607-195-00-7 REACH-no: 01-2119475791- 29	≥ 0,1 – < 1	Flam. Liq. 3, H226

Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note U (Table 3): When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

Full text of H-statements: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a

doctor if you feel unwell.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get

medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after skin contact : Irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable aerosol.

Explosion hazard : Pressurised container: May burst if heated.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin

and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid contact with skin and

eyes. Wear personal protective equipment. Do not breathe

dust/fume/gas/mist/vapours/spray.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this

product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a

well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

dimethyl ether (115-10-6)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Dimethylether	
IOEL TWA	1920 mg/m³	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
Xilene + Etilbencene		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Xylene, mixed isomers, pure	
IOEL TWA	221 mg/m³	
IOEL STEL	442 mg/m³	
IOEL STEL [ppm]	100 ppm	
Notes	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
ethylbenzene (100-41-4)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Ethylbenzene	
IOEL TWA	442 mg/m³	
IOEL STEL	884 mg/m³	
IOEL STEL [ppm]	200 ppm	
Notes	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	

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2-methoxy-1-methylethyl acetate (108-65-6)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	2-Methoxy-1-methylethylacetate	
IOEL TWA	275 mg/m³	
IOEL STEL	550 mg/m³	
IOEL STEL [ppm]	100 ppm	
Notes	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):





8.2.2.1. Eye and face protection

Eye protection:

Even though no specific eye irritation data are available, wear eye protection appropriate to conditions of use when handling this material

8.2.2.2. Skin protection

Hand protection:

Butyl rubber gloves (EN 374)

8.2.2.3. Respiratory protection

Respiratory protection:

Approved organic vapour respirator: Filter A, Filter AX (brown) (EN141-143)

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

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Colour : Black.

Odour : No data available No data available Odour threshold рΗ No data available Relative evaporation rate (butylacetate=1) : No data available Not applicable Melting point Freezing point No data available Boiling point -25 °C Aerosol jet Flash point : -41 °C Aerosol jet : No data available Auto-ignition temperature : No data available Decomposition temperature

Flammability (solid, gas) : Extremely flammable aerosol.

Vapour pressure : No data available Relative vapour density at 20 °C : No data available Relative density : No data available Solubility : No data available Partition coefficient n-octanol/water (Log Pow) : No data available Viscosity, kinematic : No data available Viscosity, dynamic : No data available

Explosive properties : Pressurised container: May burst if heated.

Oxidising properties : No data available Explosive limits : No data available

9.2. Other information

 Not volatile
 : 16,7 wt%

 VOC content
 : 83,3 wt%

 VOC content
 : 688,4 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Harmful if inhaled.

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ATE CLP (dust,mist)	4,012 mg/l/4h	
dimethyl ether (115-10-6)		
LC50 Inhalation - Rat [ppm]	164000 ppm Animal: rat, Animal sex: male, 95% CL: 142000 - 203000	
ethylbenzene (100-41-4)		
LD50 oral	3500	
LC50 Inhalation - Rat	17,2	
2-methoxy-1-methylethyl acetate (108-65-6)		
LD50 oral rat	8532 mg/kg	
LD50 dermal rat	5100	
LC50 Inhalation - Rat	> 10,8	
LC50 Inhalation - Rat (Vapours)	30 mg/l/4h	
Serious eye damage/irritation : Respiratory or skin sensitisation : Germ cell mutagenicity :	Causes skin irritation. Not classified Not classified Not classified Not classified Not classified	
Xilene + Etilbencene		
IARC group	3 - Not classifiable	
ethylbenzene (100-41-4)		
IARC group	2B - Possibly carcinogenic to humans	
TOT-single exposure :	Not classified Not classified Not classified	
ethylbenzene (100-41-4)		
NOAEL (oral, rat, 90 days)	75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
Aspiration hazard :	Not classified	
TECH HIGH TEMPERATURE PAINT BLACK A104		
Vaporizer	Aerosol	

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse

effects in the environment.

Hazardous to the aquatic environment, short-term

acute)

: Not classified

Hazardous to the aquatic environment, long-term

: Not classified

(chronic)

dimethyl ether (115-10-6)	
LC50 96h fish (1)	> 4,1 g/l Test organisms (species): Poecilia reticulata
EC50 - Crustacea [1]	> 4,4 g/l Test organisms (species): Daphnia magna

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dimethyl ether (115-10-6)		
EC50 96h - Algae [1]	154,917 mg/l Test organisms (species): other:green algae	
Xilene + Etilbencene		
EC50 - Crustacea [1]	> 3,4 mg/l Test organisms (species): Ceriodaphnia dubia	
EC50 - Other aquatic organisms [1]	> 3,4 mg/l	
ethylbenzene (100-41-4)		
LC50 96h fish (1)	5,1 mg/l Test organisms (species): Menidia menidia	
EC50 72h - Algae [1]	4,9 mg/l Test organisms (species): Skeletonema costatum	
EC50 72h - Algae [2]	5,4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
EC50 96h - Algae [1]	7,7 mg/l Test organisms (species): Skeletonema costatum	
EC50 96h - Algae [2]	3,6 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
LOEC (chronic)	1,7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'	
NOEC (chronic)	0,96 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'	
2-methoxy-1-methylethyl acetate (108-65-6)		
LC50 96h fish (1)	161 mg/l	
EC50 - Crustacea [1]	481 mg/l	

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

2-methoxy-1-methylethyl acetate (108-65-6)	
BCF - Fish [1]	1
Partition coefficient n-octanol/water (Log Pow)	0,43

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

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ADR	IMDG	IATA	
14.1. UN number			
UN 1950	UN 1950	UN 1950	
14.2. UN proper shippin	g name		
AEROSOLS	AEROSOLS	Aerosols, flammable	
Transport document descr	iption		
UN 1950 AEROSOLS, 2.1, (D)	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, flammable, 2.1	
14.3. Transport hazard	class(es)		
2.1	2.1	2.1	
		3	
14.4. Packing group			
Not applicable	Not applicable	Not applicable	
14.5. Environmental hazards			
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	
No supplementary information	n available		

14.6. Special precautions for user

Overland transport

Classification code (ADR) : 5F

Special provisions (ADR) : 190, 327, 344, 625

Limited quantities (ADR) : 11

Excepted quantities (ADR) : E0

Packing instructions (ADR) : P207

Special packing provisions (ADR) : PP87, RR6, L2

Mixed packing provisions (ADR) : MP9
Transport category (ADR) : 2
Special provisions for carriage - Packages (ADR) : V14
Special provisions for carriage - Loading, unloading : CV9, CV12

and handling (ADR)

Special provisions for carriage - Operation (ADR) : S2
Tunnel restriction code (ADR) : D

Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959

Packing instructions (IMDG) : P207, LP200
Special packing provisions (IMDG) : PP87, L2
EmS-No. (Fire) : F-D
EmS-No. (Spillage) : S-U
Stowage category (IMDG) : None
Stowage and handling (IMDG) : SW1, SW22
Segregation (IMDG) : SG69

Air transport

PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Y203
PCA limited quantity max net quantity (IATA) : 30kgG

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PCA packing instructions (IATA) : 203
PCA max net quantity (IATA) : 75kg
CAO packing instructions (IATA) : 203
CAO max net quantity (IATA) : 150kg

Special provisions (IATA) : A145, A167, A802

ERG code (IATA) : 10L

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)	
Reference code	Applicable on
3(a)	Xilene + Etilbencene ; ethylbenzene ; 2-methoxy-1-methylethyl acetate
3(b)	Xilene + Etilbencene ; ethylbenzene
3(c)	ethylbenzene
40.	Xilene + Etilbencene ; ethylbenzene ; 2-methoxy-1-methylethyl acetate

Contains no substance on the REACH candidate list ≥ 0.1 % / SCL

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content : 83,3 wt%

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Classification code (RID)	Added	
2.1	Adverse physicochemical, human health and environmental effects	Modified	
6.1	Emergency procedures	Modified	
7.1	Precautions for safe handling	Modified	
9.1	Colour	Modified	
11.1	ATE CLP (dust,mist)	Modified	

Abbreviations and acronyms	
ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road

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Abbreviations and acronyms		
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	

Full text of H- and EUH-statements			
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4		
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4		
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4		

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Full text of H- and EUH-statements			
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3		
Asp. Tox. 1	Aspiration hazard, Category 1		
Flam. Gas 1A	Flammable gases, Category 1A		
Flam. Liq. 2	Flammable liquids, Category 2		
Flam. Liq. 3	Flammable liquids, Category 3		
Press. Gas	Gases under pressure		
Skin Irrit. 2	Skin corrosion/irritation, Category 2		
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2		
H220	Extremely flammable gas.		
H222	Extremely flammable aerosol.		
H225	Highly flammable liquid and vapour.		
H226	Flammable liquid and vapour.		
H229	Pressurised container: May burst if heated.		
H304	May be fatal if swallowed and enters airways.		
H312	Harmful in contact with skin.		
H315	Causes skin irritation.		
H332	Harmful if inhaled.		
H373	May cause damage to organs through prolonged or repeated exposure.		
H412	Harmful to aquatic life with long lasting effects.		

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]				
Aerosol 1	H222;H229	On basis of test data		
Acute Tox. 4 (Inhalation:dust,mist)	H332	Calculation method		
Skin Irrit. 2	H315	Calculation method		

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.