

Safety Data Sheet (REACH)

According to Norm (CE) n°1907/2006 and Norm (CE) n° 453/2010

Name of the product:	PINTYPLUS TECH FORGE PAINT	Issue date	Version:	Replaces Version:
		09/14	2.0	1.0 03/13

SECTION 1 : Identification of the mixture, of the society or company



- 1.1 **Product identifier:** PINTYPLUS TECH – FORGE PAINT
 1.2 **Identified relevant uses and non-recommended uses:** Paints
 1.3 **Data of the provider of the security sheet:** NOVASOL SPRAY, S.A.
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 1.4 **Emergency telephone ;** Tel. +34-977.67.73.05 (8:30-18:00) (Offices)

SECTION 2 : Identification of the dangers

2.1 Classification of the mixture

Health	H315: Causes skin irritation. EUH208: Contains Methylethylketoxime. May produce an allergic reaction.
Physical	H222: Extremely flammable aerosol. H229: Pressurized container. May explode if heated.
Environment	+

2.2 Elements of the label

Pictograms	 
Warning words	Danger Attention
Hazard indications	H222: Extremely flammable aerosol. H229: Pressurized container. May explode if heated. Irrit Cut 2 H315: Causes skin irritation. EUH208: Contains Methylethylketoxime. May produce an allergic reaction.
Precautionary	P210: Keep away from heat, sparks, open flames and hot surfaces – No smoking. P211: Do not spray on an open flame or other ignition source. P251: Pressurized container: Do not pierce or burn, even after use. P410-P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P102: Keep out of the reach of children. P261: Avoid breathing spray. P271: Use only outdoors or in a well-ventilated area. P280: Wear eye protection and protective gloves.
Additional information	-
Hazardous ingredients	-

2.3 Other dangers

None

SECTION 3 : Composition/information about the ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Hazardous ingredients	Register Number	CAS Nr.	EC-Nr.	% w/w	Class and category of the hazard	Indications of the hazard	Symbol	R Sent.	R
Xylene (mixture of isomers)	01-2119488216-32-XXXX	1330-20-7	215-535-7	10-15	Flamm.Liq.3, Tox.Ag. 4, Irrit. Oc. 2	H226, H312, H332, H315	Xn	10-20/21-38	
2-methoxy-1-methylethyl acetate	01-2119475791-29-XXXX	108-65-6	203-603-9	<1	Flamm liquid 3	H226		10	
Butyl acetate	01-2119485493-29-XXXX	123-86-4	204-658-1	15-20	Flamm liquid 3, STOT SE3	H226; H336; EUH066	F+	10-66-67	
Aluminium dust (stabilized)	01-2119529243-45	7429-90-5	013-002-00-1	<5	Flam. Sol. 1	H228	F	10-15	
Methyl Ethyl Ketoxime	01-2119539477-28-XXXX	96-29-7	202-496-6	<0.2	Carc.2, Eye. Dam.1, Skin. Sens.1, Ac. Tox.4	H351, H318, H317, H315	Xn	21-40-41-43	
cobalt bis (2-ethylhexanoate)	01-2119524678-29-XXXX	136-52-7	205-250-6	<0.1	Skin. Sens.1, Skin Irrit.2, Ac.Tox.4	H317, H315, H302	Xn	68-42/43	
Solvent naphta	01-2119455851-35	64742-95-6	265-199-0	<0.5	Flam. Liq. 3, Asp.Tox.1, Aquat. Ch.2, Acute Tox.4, STOS SE3	H226, H304, H411, H332, H335, H336	Xn, Xi, N	10-37-51/52-65-66-67	
Mineral Spirit	01-2119463258-33	64742-48-9	265-150-3	<1	Flamm. Liq. 3; Asp.Tox.1, Stot SE3	H226, H304, H336	Xn	10-65-66	

Dimethylether	01-2119472128-37	115-10-6	204-065-8	35-45	Flam. Gas.1, Gas under pressure	H220,H280	F+	12	
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SECTION 4 : First Aid Measures

4.1 Description of the first aid measures

- Eye Contact :** If the substance has got in contact with the eyes, wash them with plenty of water during at least 15 minutes, afterwards bring him/her to a medical examination.
- Skin contact :** Take away the clothes immediately and soak the affected skin with plenty of water. Afterwards wash with water and soap. If the irritation persists, seek medical advice
- Inhalation :** Bring him/her out in the fresh air. Keep him/her wrapped up and restful, in a semi-erect position. Loosen the cloths. In case of discomfort, look for medical advice.
- Ingestion :** No not induce vomiting and look for medical advice

4.2 Main symptoms, sharp and delayed effects.

- Eye Contact :** Irritant to eyes. Causes redness and pain.
- Skin contact :** Irritating to skin.

- Inhalation :** May cause headache, dizziness, tiredness, muscular weakness, drowsiness and in extreme cases, loss of conscience.
- Ingestion :** May cause sore throat, abdominal pain, drowsiness, nausea, vomiting and diarrhea.

4.3 Indications about medical care and especial treatment that should be given immediately.

In case of discomfort, seek medical advice (if possible show him/her the label). If the symptoms persist, seek always medical advice.

SECTION 5 : Fire fighting measures

5.1 Extinguishing media:

Foam, carbon dioxide or dry powder.

5.2 Specific hazards derivative of the substance or of the mixture.

Aerosols may explode from internal pressure build-up when exposed to temperatures exceeding 50°C. It builds up products of hazardous breakdown: CO, CO₂.

5.3 Recommendations for the fire fighting staff.

Keep cool the cans exposed to fired, sprinkling them with water. In case of fire, no dot breath the gases.

SECTION 6 : Measures in case of accidental spill

6.1 Personal precautions, protective equipment and emergency procedures.

Extinguish all sources of ignition. Assure a good air circulation. Use suitable protective clothes and gloves.

6.2 Precautions concerning the environment

Do not allow to discharge the product either into the public drains or into watercourses. If the polluted water reaches the drains or watercourses, inform immediately the competent authorities.

6.3 Methods, content material and cleaning up.

Collect the spill with non-combustible absorbent materials (soil, sand, diatomaceous earth...) Put into a convenient container.

6.4 Reference to other sections

For the control of exposition and measures concerning individual protection, see epigraph 8. For the later elimination of the waste, follow the recommendations of epigraph 13.

SECTION 7 : Handling and storage

7.1 Precautions for a sure handling

Accomplish with the in force legislation about labour risk prevention. Keep away from heat and sources of ignition. Prevent accumulation of electrostatic charges. Use anti-deflagrating, lighting electrical material. Use only tools which do not produce sparks. Do not breath aerosol or vapours. Assure suitable ventilation. Avoid contact with eyes and skin. Wash carefully after use. Use gloves/clothes/glasses/protective masks. Have ready bottles for eye protection.

7.2 Conditions of sure storage, including possible incompatibility

Entrance prohibited to non-authorized staff. Keep out of the reach of children. The product must be stored isolated from electrical and ignition sources. Do not smoke within the area of storage. Prevent the direct solar radiation. Prevent extreme wet conditions. Keep away from oxidant agents and highly alkaline materials or strong acids.

7.3 Final specific uses

Paints

SECTION 8 : Controls of exposition/individual protection

8.1 Control parameters

Limit values of professional exposition:

INSHT 2012 Values	N° CAS	VLA-ED		VLA-EC		
		ppm	mg/m ³	ppm	mg/m ³	
Xylene (mixture of isomers)	1330-20-7	50	221	100	442	Skin
2-methoxyethyl-1-methyl acetate	108-65-6	50	275	100	550	Skin
Butyl acetate	123-86-4	150	724	200	965	
Aluminium dust (stabilized)	7429-90-5	-	10	-	-	
Dimethylether	115-10-6	1000	1920			

VLA – (Environment Limit Value) ED – (Dairy exposition) EC – (Short time exposition)

8.2 Exposition controls

Control procedures:	Assure suitable ventilation. Keep away of heat and sources of ignition. Avoid accumulation of electrostatic charges.
Personal protection:	Take suitable precautions to avoid contact with skin and eyes when manipulating it. Assure good ventilation.
Breath protection:	In case of insufficient ventilation, use suitable respiratory equipment. Gases mask and organic vapours (A,AX) (EN141-143)
Skin and hand protection:	Wear suitable protective gloves (butyl rubber) (EN374)
Eyes protection:	Wear protective glasses (EN166)

SECTION 9 : Physical and chemical properties.

9.1 Information about basic physical and chemical properties

Physical state	Aerosol
Odour	Characteristic
pH	Not applicable
Boiling point	-25°C a 1 atm.
Flashpoint	- 41°C (Propellant)
High limit of explosion	18.6% Volume
Inferior limit of explosion	3% Volume
Auto flammability	>200°C
Vapour pressure	Not applicable
Relative density	0,861 g/cm ³ at 20°C
Water solubility	Immiscible

Viscosity	Not applicable
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9.2 Additional information

Non volatile	22.4 % Weight
COV/VOC	77.6 % Weight
COV/VOC	668 g/l

SECCIÓN 10 : Stability and reactivity

- 10.1 Reactivity:** Hazardous reactions unknown if the product is used to the pretended use.
10.2 Stability: Stable under recommended conditions of storage and handling.
10.3 Possibility of hazardous reactions: Hazardous reactions unknown if the product is used to the pretended use.
10.4 Conditions to be avoided: Avoid re-heating
10.5 Non compatible materials: Keep away from strong oxidizing agents and strongly alkaline and strongly acid.
10.6 Breakdown hazardous products: CO, CO₂

SECTION 11 : Toxicological Information

11.1 Information about toxicological effects

Inhalation:	The solvent vapours may cause nausea, headache and dizziness.
Ingestion:	May cause gastrointestinal disturbances
Skin contact :	May be irritating to skin
Eyes contact :	May be irritating to eyes

Toxicological data

Hazardous ingredients	Nº CAS	DL50 mg/kg oral	DL50 mg/kg skin	CL50 mg/m ³ inhalation
Xylene (mixture of isomers)	1330-20-7	3523 - Rat	12,126 - Rabbit	27,124 - Rat
2-methoxyethyl-1-methyl acetate	108-65-6	>5000 - Rat		>10800 - Rat - 6 h.
Butyl acetate	123-86-4	10760 - Rat	>14112 - Rabbit	23,4 - Rat
Solvent Naphta	64742-95-6	3492	>3160	10.2
Mineral Spirit	64742-48-9	>5000	>5000	>5
Methyl Ethyl Ketoxime	96-29-7	930	2702	>4,8
cobalt bis (2-ethylhexanoate)	136-52-7	500		
Aluminium dust (stabilized)	7429-90-5	>2000 - Rat		>888 - Rat

SECTION 12 : Ecological information

12.1 Toxicity: Non classified.

Eco toxicological data

Hazardous ingredients	Nº CAS	EC50 - mg/l	IC50 - mg/l	LC50 - mg/l - 96h.
Xylene (mixture of isomers)	1330-20-7	2,2l - 72h.	1	2,6
2-methoxyethyl-1-methyl acetate	108-65-6	408 - 48h		134
Butyl acetate	123-86-4	44 - 48 h. Daphnia magna		18 - 96h.

- 12.2 Persistence and degradability:** Not available
12.3 Bioaccumulation. Not available
12.4 Mobility in soil: Not available
12.5 Results of PBT & mPmB assessments: Not available
12.6 Other adverse effects: Not available

SECTION 13 : Considerations concerning the elimination

13.1 Methods for the waste treatment

Product	Eliminate the product waste and its containers with all the possible precautions. Do not discharge into the drains or in the environment. Eliminate in an authorized waste collection point
Polluting container	The disposal will be effected according to the local, regional or national ordinances.

SECTION 14 : Information concerning the transport

- 14.1 ONU Number:** UN 1950
14.2 Transport official designation of the United Nations: AEROSOLS
14.3 Hazard class for the transport: Class; 2.1 / ADR/RID - Classification code: 5F
14.4 Packing group: Not applicable
14.5 Hazards for the environment
 ADR/RID - Hazardous for the environment: Si
 IMDG - Maritime Pollutant: Si
 IATA/ICAO - Hazardous for the environment: Si
14.6 Specific precautions for the users:
 ADR/RID - Tunnel code; (D)
 IMDG - Ems; F-D, S-U
 IATA/ICAO - PAX 203
 IATA/ICAO - CAO 203
14.7 Bulk transport in accordance with Annexe II of MARPOL Agreement 73/78 and Code IBC
 Not applicable

SECTION 15 : Regulatory information



- 15.1 Specific rules and legislation in terms of security, health and environment for the mixtures.**
 Directive 2008/47/EC modifications of the aerosol Directive 75/324/EEC Directive 99/45/EU. Norms CE n° 1907/2006
15.2 Evaluation of the chemical security
 Not available

SECTION 16 : Other information

Explanation hazard indications

H220: Extremely flammable gas. H280: Contains gas under pressure, may explode if heated. H226: Flammable liquid and vapours. H228: Flammable solid.
 H302: Harmful if swallowed. H304: May be fatal if swallowed and enters the respiratory system. H312: Harmful in contact with skin. H315: Causes skin irritation.
 H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H332: Harmful if inhaled. H335: May cause respiratory irritation. H336: May cause drowsiness and dizziness. H351: Suspected of causing cancer. H411: Toxic to aquatic organisms, with long harmful effects. EUH066: Repeated exposure may cause skin dryness or cracking.

Classification according to Norm 1999/45/CE – 67/548/CEE

Precaution symbols	F+ Extremely flammable 	Xn: Harmful 
Hazard sentences	R12: Extremely flammable. R20/21: Harmful by inhalation and in contact with skin. R36/38: Irritating to eyes and skin. R67: Vapours may cause drowsiness and dizziness.	
Security sentences	S2: Keep out of the reach of children. S-15: Protect from heat. S16: Keep away from any source of ignition – No smoking. S23: Do not breath vapours. S25: Avoid contact with eyes. S/36/37: Wear suitable protective clothing and gloves. S46: If swallowed, seek medical advice immediately and show this container or label. S51: Use only in well ventilated areas.	
Additional information	P96: Pressurized container: protect from sun light and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. P97: Do not spray on a naked flame or any incandescent material. Keep away from any flame or any source of ignition – No smoking. Keep out of the reach of children.	
Hazardous ingredients	-	

Explanation of hazardous sentences

R10: Flammable. R11: Easily flammable. R12: Extremely flammable. R15 Contact with water liberates extremely flammable gases. R20/21: Harmful by inhalation and in contact with the skin.. R37: Irritating to respiratory system. R38: Irritating to skin. R40: Limited evidence of a carcinogenic effect .R41: Risk of serious damage to eyes. R43: May cause sensitisation by skin contact. R42/43: May cause sensitization by inhalation and skin contact. R51/52: Toxic to aquatic organisms. may cause long-term adverse effects in the aquatic environment R65: Harmful: if swallowed may cause lung damage R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness. R68: Possible risk of irreversible effects.

The information of this Safety Data Sheet regarding the product is based on the present knowledge, on the laws in force in the EU and on the national laws, considering that the working conditions of the users are out of our acknowledgment and control. The product must not be used to different purposed than those specified in the epigraph 1. It is always responsibility of the user to take the suitable measures in order to accomplish the established requirements in the local norms and in the in force legislation. The information contained in this Safety Data Sheet does not mean a description of the security requirements of the product and it must not be considered a warrantee of its properties.


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