Reg. CE/1907/2006 - Reg. (UE) n. 830/2015 - 29 CFR 1910.1200 (OSHA-HCS)
Issue: 06/11/2017 Version 1.0 Revision =====

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

1.1. Product identifier: PF PFB248 **PRIMUS PRIMER** 2K, BLACK 4:1
1.2. Relevant identified uses of the substance or mixture and uses advised against: PRIMER FOR CAR BODY
1.3. Details of the supplier of the safety data sheet: LEVEL Finish LLC 1161N 1210W. STE 200 St.George, UT 84770 USA
For further information concerning the use of this safety data sheet please phone 1(844) 340-5567
Chemical technician in charge of the safety data sheet: r.basetti@allchem.it
1.4. Emergency telephone number: Chemtrec 1(800) 424-9300

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture.

In compliance with Reg. EC n. 1272/2008 the mixture is classified:  GHS02  GHS07 - Flam. Liq 3 H226 - STOT SE 3 H335 - STOT SE 3 H336 - EUH066.
2.1.2. Classification according to 29 CFR 1910.1200 (OSHA-HCS): Flammable liquids catg. 3, Specific target organ toxicity (single exposure) catg. 3 (respiratory tract irritation), Specific target organ toxicity (single exposure) catg. 3 (narcotic effects),
2.2. GHS Label elements according to OSHA-HCS:

Hazard pictograms: 
Signal word: **Warning**
Hazard Statements: H226 Flammable liquid and vapour.
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness
Precautionary Statements.
Prevention: P210 Keep away from heat / sparks / open flames / hot surfaces. – No smoking.
P233 Keep container tightly closed.
P240 Ground / bond container and receiving equipment.
P242 Use only non sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe dust/fume/gas/mist/vapours/ spray.
P280 Wear protective gloves / eye protection / face protection.
P271 Use only outdoors or in a well-ventilated area.
Response: P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378 In case of fire: Use dry chemical (BC) or Carbon dioxide (CO_2) for extinction.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
Storage: P235 Keep cool.
P403 Store in a well-ventilated place.
Disposal: P273 Avoid release to the environment.
P501 Dispose of contents / container in accordance with local, state and federal regulations.
Supplementary label elements:
Repeated exposure may cause skin dryness or cracking. Product ready to use contains 446 g/L VOC (Dir. 2004/42/CE, IIB, cat. c, max. 540 g/L).
2.3. Other hazards
None of the components of the mixture satisfy the criteria for the identification of PBT and vPvB.

SECTION 3: Composition / information on ingredients

3.2. Mixtures: Dangerous components (classification according to Reg. (CE) n. 1272/2008 e 29 CFR 1910.1200 OSHA-HCS)

Denomination	N° CAS / N° reg. ECHA / N° CE	Conc. % in weight	Classification Reg. (CE) n. 1272/2008			Note
			Hazard class and category	Pictograms and labeling codes	Hazard statement code	
n-butyl acetate	123-86-4 01-2119485493-29 204-658-1	15 ÷ 20 %	Flam. Liq. 3 STOT SE 3	 Wng	H226 H336 EUH066	

xylene	1330-20-7 01-2119488216-32 215-535-7	< 5 %	Flam. Liq. 3 Acute Tox. 4 Acute Tox. 4 Skin Irrit. 2 Eye Irrit. 2 Asp. Tox.1 STOT SE 3 STOT RE 2	 Dgr	H226 H332 H312 H315 H319 H304 H335 H373	
2-ethoxy-1-methylethyl acetate	54839-24-6 01-2119475116-39 259-370-9	< 5 %	Flam. Liq. 3 STOT SE 3	 Wng	H226 H336	
metilisobutilchetone 4-methylpentan-2-one	108-10-1 01-2119473980-30 203-550-1	< 5 %	Flam. Liq. 2 Acute Tox. 4 Eye Irrit. 2 STOT SE 3	 Dgr	H225 H332 H319 H335 EUH066	

SECTION 4: First aid measures

4.1. Description of first aid measures

- Inhalation. Remove the patient to a well aired place, keep him warm and make him rest. If respiration is irregular or has stopped, give him artificial respiration. In case of loss of consciousness, keep him in a restful position and consult a doctor.
- Skin contact. Immediately remove contaminated garments. Wash the parts involved very thoroughly with soap and water or with an appropriate detergent. Do not use solvents or thinners.
- Eye contact. Rinse with plenty of fresh water for at least 15 minutes keeping the eyelids wide open. If necessary, call a specialist.
- Swallowing. In case of accidental swallowing, consult a doctor immediately. Make the patient rest. Do not induce vomit.

4.2. Most important symptoms and effects, both acute and delayed:
No further information available.
4.3. Indication of any immediate medical attention and special treatment needed:
No further relevant indication.

SECTION 5: Firefighting measures

5.1. Recommended measures: Extinguish with carbon dioxide, powders, foam, sprayed water. Do not use water jets.
5.2. Special hazards arising from the substance or mixture: combustion can develop toxic fumes containing carbon monoxide and nitrogen oxides.
5.3. Advice for firefighters: Cool with sprayed water any closed containers exposed to the fire. Do not breath fumes developed from the fire or wear breathing apparatus. Prevent extinguishing liquids from entering sewer systems or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures: Do not breathe in vapours, use the personal protective equipment for person/eyes and respiratory tract. Keep away any source of ignition and ventilate the area. Vapours are heavier than air and may form flammable mixtures along the ground: provide adequate ventilation.
6.2. Environmental precautions: Prevent spills from entering manholes and drains.
6.3. Methods and material for containment and cleaning up: In case of accidental spillage, check and absorb any spilled product with sand and inert materials. Put the contaminated material into tight containers and dispose of as waste according to laws in force. Use no-sparkling tools.
If the material is to be recovered by aid of aspirators, keep away possible sources of ignition. Do not throw waste material into the sewer system. Clean the area involved with water or detergent liquid. Do not use any solvents.
6.4. Reference to other sections: see also sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precaution for safe handling: Ensure an adequate ventilation and or localised suction systems in work places.
The material can accumulate electrostatic charges which may cause sparks (source of ignition). Use appropriate storage procedures and grounding systems. Use only in well-ventilated places. For personal protection devices see paragraph 8. Do not smoke, eat or drink in working areas.
7.2. Condition for safe storage, including any incompatibilities. Store between 15 and 25°C in a dry and well aired place. Keep containers well closed and away from heat sources, sparks and open flames. Do not smoke. Do not allow access to the storage area to unauthorized persons. Keep away from oxidative agents, peroxides, strong acids. Open the containers slowly to control possible pressure losses. Store in a cool and well-ventilated place. Always use packaging of the same type as the original ones. Definitive storage package, package for decanting and related equipment must be grounded to prevent accumulation of electrostatic charges.

Compatible packaging materials and coatings (chemical compatibility): carbon steel; stainless steel; polyethylene; polypropylene; polyester; PTFE.
Not compatible materials and coatings: natural rubber; butyl rubber; polystyrene.
7.3. Specific end use(s): No further relevant indication.

SECTION 8: Exposure control / personal protection

8.1. Control parameters

Professional Exposure Limits:	ACGIH 2014					DIR 2000/39/CE				
Component	TLV - TWA (1)		STEL (2)		Note	TLV - TWA (1)		STEL (2)		Note
	ppm	mg/m^3	ppm	mg/m^3		ppm	mg/m^3	ppm	mg/m^3	
n-Butyl acetate 123-86-4	150	713	200	950						
Xylene 1330-20-7	100	434	150	651	IBE (3)	50	221	100	442	skin
4-methylpentan-2-one	20	82	75	307	IBE (3)	20	83	50	208	

1) Limit for long exposure 2) Limit for short exposure 3) Substance with indicator of Biological Exposure

8.2. Exposure controls
Protection of respiratory tract. The workplaces have to be adequately ventilated. Workplaces have to be equipped with localised suction systems. In working places with insufficient ventilation, it is essential to use protection systems for the respiratory tract, such as masks with filter of the type A according to UNI EN 141 regulations. Adopt explosion-proof ventilation systems.
Hands protection. Wear PVF or nitrile rubber gloves for brief contact (recommendation: at least protective index 2, corresponding to > 30 min. permeation according to EN374).
Eyes protection. Safety glasses with side shields (frame goggles for example. EN 166).
HYGENIC MEASURES: Do not breathe vapours – Avoid contact with skin and eyes – Keep away from food and drinks – Before breaks and at the end of work wash hands. Remove contaminated garments and wash them before use them again. Persons with an inclination to skin affections and other signs of skin hypersensitivity must avoid any contact with the product. Use anti-static working clothes.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties.

Physical state:	liquid, black colour
Odour:	characteristic of solvents
Olfactory limit:	data not available for the mixture
pH:	n.a.
Melting point:	data not available for the mixture
Flash point:	25°C (ASTM D-56)
Evaporation rate:	data not available for the mixture
Flammability limits (xylene):	1.1 - 7.0 % in volume
Vapour pressure:	data not available for the mixture
Boiling range:	data not available for the mixture
Vapour density (xylene):	3.66 Kg/m^3 at 20 °C
Density (at 20°C):	1,525 Kg/L
Solubility in water (n-Butyl acetate):	7 g/L
Distribution coefficient: n-octanol / water:	data not available for the mixture
Self-ignition temperature:	data not available for the mixture
Decomposition temperature:	data not available for the mixture
Viscosity (at 40°C):	> 1500 mm^2/s
Explosive properties:	n.a.
Oxidative properties:	see danger identification section

9.2 Other information: no further relevant indication.

SECTION 10: Stability and reactivity

10.1. Reactivity: no data available
10.2. Chemical stability: The product is stable under the recommended conditions of storage and use (see paragraph 7).
10.3. Possibility of hazardous reactions: If exposed to high temperatures may form explosive mixtures vapour/air.
10.4. Conditions to avoid: heat, flames and sparks.
10.5. Incompatible materials: strong alkalis and strong acids, oxidizing agents, isocyanates, anhydrides.
10.6. Hazardous decomposition products: none under normal condition of use; If exposed to high temperatures, it can give rise to hazardous decomposition products, such as carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects:

Acute toxicity of n-butyl acetate 123-86-4:	LD_{50} oral rat	8800 mg/Kg
	LC_{50} inhaling rat	9.5 mg/L/4h
Acute toxicity of xylene 1330-20-7:	LD_{50} oral rat	4300 mg/Kg

Chronic effects: concentrations of vapours exceeding recommended exposure levels are irritating to eyes and respiratory tract, can cause headaches and dizziness, have an anaesthetic effect and cause other effects on the central nervous system (narcosis). Repeated and/or prolonged skin contact with low viscosity materials may degrease the skin with

possible development of skin irritation and dermatitis.
Irritation: Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.
Sensitization of the respiratory tract: inhalation of high concentrations may cause symptoms like headache, dizziness, fatigue, nausea and vomiting.
Mutagenicity on germ cell, mutagenicity assessment: the product has not been tested.
Toxicological data were derived from the properties of individual components.

SECTION 12: Ecological information

12.1 Toxicity: no specific data is available on the preparation.
12.2 Persistence and degradability: no specific data is available on the preparation; mixture components are partially biodegradable and compatible with biological treatment in waste treatment plants.
12.3. Bioaccumulative potential: the mixture components have low bioconcentration potential.
12.4. Mobility in soil: no specific data available on the preparation.
12.5. Results of PBT and vPvB assessment: The mixture does not contain substances considered PBT o vPvB.
12.6 Other adverse effects: data not available

SECTION 13: Disposal considerations

13.1. Waste treatments methods: Do not discharge the product or residues of treatment into sewer systems or water courses. Waste has to be disposed of in compliance with D. Lgs. Regulations of 3 April 2006, n. 152 (European Directives 91/156/EEC, 91/689/EEC and 94/62/EC). Waste may be treated in waste water depuration plants or in incineration plants. Contamined containers: Empty containers should be taken for recycling, recovery or disposal as waste.

SECTION 14 : Transport information

14.1. UN number : UN 1263
14.2. UN proper shipping name: PAINT
14.3. Transport hazard class(es): Class 3, hazard label N. 3
14.4. Packing group: III
14.5. Environmental hazards: The substance is not classified either as dangerous for the environment or as marine pollutant. EMS F-E, S-E.
14.6. Special precaution for users: see SECTION 7.
14.7. Transport in bulk according to Annex II or MARPOL 73/78 and the IBC Code: not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.
The components of the mixture are included in Annex I of Dir. 96/82/EC (Seveso).
The preparation itself falls within the scope of Directives 1999/13/EC and 2004/42/EC on limits for the emissions of volatile organic compounds (VOC) in vehicles refinishing products (Annex II, B) .
15.2. Chemical safety assessment: no assessment on chemical safety has been carried out for the mixture.

16. ALTRE INFORMAZIONI

Revision for adaptation to EU Regulation n. 605/2014, modified sec. 2, sec. 3, sec.9.
The mixture is classified in compliance with Reg. CE) 1272/2008 and 29 CFR 1910.1200 OSHA-HCS:
H226 Flam. Liq. 3: Flammable liquid of category 3, official laboratory method.
H335 STOT SE 3 - H336 STOT SE 3 Specific target organs toxicity single exposure of category 3, conventional calculation method.
Full text of the hazard H statements not indicated at sections 2 and 3:

H 304: May be fatal if swallowed and enters airways
H 225: Liquid and vapours easily flammable
H 312: Harmful in contact with skin
H 315. Causes skin irritation.
H 319: Causes serious eye irritation.
H 332: Harmful if inhaled.
H 373 May cause damage to organs through prolonged or repeated exposure.

Legislation of reference in Italy:
D.M. 28/4/97 – D.M. 28/02/2006 - Classification and labelling of dangerous substances.
D. Lgs. 14/03/2003 – D.Lgs. 28/07/2004 Classification, packing and labelling of dangerous preparations.
D.M. 7/9/2002 - Safety Data Sheets.
D.P.R. 547/55 - D.P.R. 303/56 - D. Lgs. 81/08 - Industrial prevention, security and hygiene.
D.Lgs. 152/2006 – Environmental code.

Legend: TLV-TWA (Threshold Limit Value-Time Weighted Average), TLV-STEL (Threshold Limit Value-Short Term Exposure Limit).