Version: N°1 (03/03/2015)

GEB

BLACKFIRE



Date: 31/03/2015 Page 1/11 Revision: N°1 (12/02/2015)

SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: BLACKFIRE

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

1.3. Details of the supplier of the safety data sheet

Registered company name: GEB.

Address: CS 62062.95972.ROISSY CDG CEDEX . France. Telephone: 01 48 17 99 99. Fax: 01 48 17 98 00.

geb@geb.fr www.geb.fr

1.4. Emergency telephone number: 01 45 42 59 59.

Association/Organisation: INRS.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Flammable aerosol, Category 1 (Aerosol 1, H222 - H229).

Eye irritation, Category 2 (Eye Irrit. 2, H319).

Specific target organ toxicity (single exposure), Category 3 (STOT SE 3, H336).

 $Hazardous\ to\ the\ aquatic\ environment\ -\ Chronic\ hazard,\ Category\ 3\ (Aquatic\ Chronic\ 3,\ H412).$

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Extremely flammable (F+, R 12).

Vapours may cause drowsiness and dizziness (R 67).

Aquatic environmental hazard, chronic toxicity: harmful (R 52/53).

2.2. Label elements

Mixture for aerosol application.

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms:





GHS07

Signal Word:

DANGER

Product identifiers:

CAS 64742-49-0 HYDROCARBONS, C6, ISOALKANES, <5% N-HEXANE

Hazard statements:

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements - General:

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

BLACKFIRE

Date: 31/03/2015 Page 2/11

Revision: N°1 (12/02/2015)

P102 Keep out of reach of children.

Precautionary statements - Prevention:

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.

Precautionary statements - Storage:

P410 + P412 Protect from sunlight. Do no expose to temperatures exceeding 50 oC/122oF.

Precautionary statements - Disposal:

P501 Dispose of contents/container to ...

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition:

(EC) 1272/2008	67/548/EEC	Note	%
GHS02, GHS04	F+	С	25 <= x % < 50
Dgr	F+;R12	[1]	
Flam. Gas 1, H220			
GHS02, GHS04	F+	[1]	10 <= x % < 25
Dgr	F+;R12		
Flam. Gas 1, H220			
GHS09, GHS07, GHS08	Xn,N		10 <= x % < 25
Dgr	Xn;R65		
Asp. Tox. 1, H304	N;R51/53		
STOT SE 3, H336	F;R11		
Aquatic Chronic 2, H411	R67		
GHS02, GHS07		[1]	10 <= x % < 25
Dgr	Xi;R36		
Flam. Liq. 2, H225	F;R11		
Eye Irrit. 2, H319	R66-R67		
STOT SE 3, H336			
EUH:066			
GHS02, GHS07	Xn		2.5 <= x % < 10
Wng	Xn;R20/21	[1]	
Flam. Liq. 3, H226	Xi;R38		
Acute Tox. 4, H332	R10		
Acute Tox. 4, H312			
,			
GHS09, GHS07, GHS08			2.5 <= x % < 10
Dgr	Xn;R65		
	1 1		
STOT SE 3, H335	N;R51/53		
Aquatic Chronic 2, H411	R67		
	GHS02, GHS04 Dgr Flam. Gas 1, H220 GHS02, GHS04 Dgr Flam. Gas 1, H220 GHS09, GHS07, GHS08 Dgr Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411 GHS02, GHS07 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH:066 GHS02, GHS07 Wng Flam. Liq. 3, H226 Acute Tox. 4, H332 Acute Tox. 4, H312 Skin Irrit. 2, H315 GHS09, GHS07, GHS08 Dgr Asp. Tox. 1, H304	GHS02, GHS04 Dgr Flam. Gas 1, H220 GHS02, GHS04 Dgr Flam. Gas 1, H220 GHS09, GHS07, GHS08 Dgr Asp. Tox. 1, H304 STOT SE 3, H336 Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH:066 GHS02, GHS07 Wng STOT SE 3, H336 EUH:066 GHS02, GHS07 STOT SE 3, H336 EUH:066 SHS02, GHS07 STOT SE 3, H335 Acute Tox. 4, H312 Skin Irrit. 2, H315 GHS09, GHS07, GHS08 Dgr Asp. Tox. 1, H304 STOT SE 3, H335 STOT SE 3, H336 R10	GHS02, GHS04 Dgr Flam. Gas 1, H220 GHS02, GHS04 Dgr Flam. Gas 1, H220 GHS09, GHS07, GHS08 Dgr Flam. Gas 1, H220 GHS09, GHS07, GHS08 Dgr Xn;R65 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411 GHS02, GHS07 Dgr SToT SE 3, H336 Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH:066 GHS02, GHS07 Wng STOT SE 3, H336 EUH:066 GHS02, GHS07 Wng STOT SE 3, H332 Acute Tox. 4, H332 Acute Tox. 4, H312 Skin Irrit. 2, H315 GHS09, GHS07, GHS08 Dgr Asp. Tox. 1, H304 STOT SE 3, H335 STOT SE 3, H335 STOT SE 3, H336 R10

SAFETY DATA SHEET (REGULATION (EC) n° 1907/2006 - REACH)

Version: N°1 (03/03/2015)

GEB

BLACKFIRE

Date: 31/03/2015 Page 3/11

Revision: N°1 (12/02/2015)

INDEX: 603-004-00-6	GHS02, GHS05, GHS07	Xn	[1]	0 <= x % < 2.5
CAS: 71-36-3	Dgr	Xn;R22	[1.1]	0 \= X 70 \ 2.3
EC: 200-751-6	Flam. Liq. 3, H226	Xi;R37/38-R41		
200 731 0	Acute Tox. 4, H302	R10		
N-BUTANOL	STOT SE 3. H335	R67		
	Skin Irrit. 2, H315			
	Eye Dam. 1, H318			
	STOT SE 3, H336			
INDEX: 609-001-00-6	GHS02, GHS07	Xn	[1]	0 <= x % < 2.5
CAS: 108-03-2	Wng	Xn;R20/21/22		
EC: 203-544-9	Flam. Liq. 3, H226	R10		
	Acute Tox. 4, H332			
NITROPROPANE 1-	Acute Tox. 4, H312			
	Acute Tox. 4, H302			
INDEX: 609-035-00-1	GHS02, GHS07	Xn	[1]	0 <= x % < 2.5
CAS: 79-24-3	Wng	Xn;R20/22		
EC: 201-188-9	Flam. Liq. 3, H226	R10		
	Acute Tox. 4, H332			
NITROETHANE	Acute Tox. 4, H302			

Information on ingredients:

[1] Substance for which maximum workplace exposure limits are available.

SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation:

In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

If the person is unconscious, place in recovery position. Notify a doctor in all events, to ascertain whether observation and supportive hospital care will be necessary.

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

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

No data available.

SECTION 5: FIREFIGHTING MEASURES

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

Keep packages near the fire cool, to prevent pressurised containers from bursting.

Suitable methods of extinction

In the event of a fire, use:

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive

BLACKFIRE

Date: 31/03/2015 Page 4/11

Revision: N°1 (12/02/2015)

- halon
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Unsuitable methods of extinction

In the event of a fire, do not use:

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:

- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

Avoid inhaling the vapors.

Avoid any contact with the skin and eyes.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures Use drums to dispose of collected waste in compliance with current regulations (see section 13).

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7: HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Remove contaminated clothing and protective equipment before entering eating areas.

Fire prevention:

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

BLACKFIRE

Date: 31/03/2015 Page 5/11

Revision: N°1 (12/02/2015)

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Do not spray on a naked flame or any incandescent material.

Do not pierce or burn, even after use.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Do not breathe in aerosols.

Avoid inhaling vapors. Carry out any industrial operation which may give rise to this in a sealed apparatus.

Provide vapor extraction at the emission source and also general ventilation of the premises.

Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.

In all cases, recover emissions at source.

Avoid eye contact with this mixture.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

Never open the packages under pressure.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

- European Union (2009/161/EU, 2006/15/EC, 2000/39/EC, 98/24/EC)

CAS	VME-mg/m3:	VME-ppm:	VLE-mg/m3:	VLE-ppm:	Notes
67-64-1	1210	500	-	-	-
1330-20-7	221	50	442	100	Peau

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
106-97-8	1000 ppm	-	-	-	-
74-98-6	1000 ppm	-	-	-	-
67-64-1	500 ppm	750 ppm	-	-	-
1330-20-7	100 ppm	150 ppm	-	-	-
71-36-3	20 ppm	-	-	-	-

Version: N°1 (03/03/2015)

GEB

BLACKFIRE

Date: 31/03/2015 Page 6/11

Revision: N°1 (12/02/2015)

108-03-2	25 ppm	-	-	-	-	
79-24-3	100 ppm	-	-	-	-	
- Germany - AGW (I	BAuA - TRGS 90	0, 21/06/2010):				
CAS	VME:	VME:	Excess	Notes		
106-97-8	1000 ml/m3	2400 mg/m3	4(II)	DFG		
74-98-6	1000 ml/m3	1800 mg/m3	4(II)	DFG		
67-64-1	500 ml/m3	1200 mg/m3	2(I)	DFG		
1330-20-7	100 ml/m3	440 mg/m3	2(II)	DFG, H		
71-36-3	100 ml/m3	310 mg/m3	1(I)	DFG, Y		
108-03-2	25 ml/m3	92 mg/m3	4(I)	DFG, H, 3		
79-24-3	100 ml/m3	310 mg/m3	4(II)	DFG		
- France (INRS - ED	984 :2008) :					
CAS	VME-ppm:	VME-mg/m3	: VLE-ppm:	VLE-mg/m3:	Notes:	TMP No:
106-97-8	800	1900	-	-	-	-
67-64-1	500	1210	1000	2420	-	84
1330-20-7	50	221	100	442	*	4 Bis, 84, *
71-36-3	-	-	50	150	-	84
108-03-2	25	90	-	-	-	84
79-24-3	100	310	-	-	-	84
- UK / WEL (Workp	lace exposure lim	its, EH40/2005,	2007):			
CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:	
106-97-8	600 ppm	750 ppm	-	-	-	
67-64-1	500 ppm	1500 ppm	-	-	-	
1330-20-7	50 ppm	100 ppm	-	-	-	
71-36-3	-	50 ppm	-	-	-	

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):









Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended:

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

BLACKFIRE

Date: 31/03/2015 Page 7/11 Revision: N°1 (12/02/2015)

Recommended properties:

- Impervious gloves in accordance with standard EN374

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Avoid breathing vapours.

If the ventilation is insufficient, wear appropriate breathing apparatus.

When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.

Type of FFP mask:

Wear a disposable half-mask aerosol filter in accordance with standard EN149.

Category:

- FFP1

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387:

- A1 (Brown)

Particle filter according to standard EN143:

- P1 (White)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

Physical state: Viscous liquid.

Spray.

Important health, safety and environmental information

pH: Not relevant. Boiling point/boiling range: Not relevant. Vapour pressure (50°C) : Not relevant.

Density: >1
Water solubility: Insoluble.

Viscosity: $v < 7 \text{ mm2/s} (40^{\circ}\text{C})$

Melting point/melting range: Not relevant. Self-ignition temperature: Not relevant. Decomposition point/decomposition range: Not relevant. Chemical combustion heat: Not specified. Inflammation time: Not specified. Not specified. Deflagration density: Inflammation distance: Not specified. Flame height: Not specified. Flame duration: Not specified.

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

BLACKFIRE

Date: 31/03/2015 Page 8/11

Revision: N°1 (12/02/2015)

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid:

- heating
- heat

10.5. Incompatible materials

10.6. Hazardous decomposition products

The thermal decomposition may release/form:

- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days. Splashes in the eyes may cause irritation and reversible damage

Narcotic effects may occur, such as drowsiness, narcosis, decreased alertness, loss of reflexes, lack of coordination or dizziness

Effects may also occur in the form of violent headaches or nausea, judgement disorder, giddiness, irritability, fatigue or memory disturbance.

11.1.1. Substances

Acute toxicity:

HYDROCARBONS, C6, ISOALKANES, <5% N-HEXANE (CAS: 64742-49-0)

Oral route: LD50 > 36750 mg/kg

Species: Rat

Dermal route : LD50 > 3350 ml/kg

Species : Rabbit

Inhalation route: LC50 = 259354 mg/l

Species: Rat

11.1.2. Mixture

No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):

CAS 1330-20-7: IARC Group 3: The agent is not classifiable as to its carcinogenicity to humans.

SECTION 12: ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

Revision : N°1 (12/02/2015)

Date: 31/03/2015 Page 9/11

BLACKFIRE

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2014).

14.1. UN number

1950

14.2. UN proper shipping name

UN1950=AEROSOLS, flammable

14.3. Transport hazard class(es)

- Classification:



2.1

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	2.	5F	_	2.1	_	1 L	190 327 344 625	E0	2.	D

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
	2.1	See SP63	-	SP277	F-D,S-U	63 190 277 327	E0
						344 959	

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	2.1		-	Forbidden	Forbidden	203	150 kg	A1	E0
								A145	
								A167	
								A 802	

BLACKFIRE

Date: 31/03/2015 Page 10/11

Revision: N°1 (12/02/2015)

	2.1	-	-	Forbidden	Forbidden	-	-	A1	E0
								A145	
								A167	
								A 802	i

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

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

- Classification and labelling information included in section 2:

The following regulations have been used:

- Directive 67/548/EEC and its adaptations
- Directive 1999/45/EC and its adaptations
- Directive 75/734/CEE modified by directive 2013/10/UE
- EU Regulation No. 1272/2008 amended by EU Regulation No. 487/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.

- Container information:

No data available.

- Particular provisions :

No data available.

15.2. Chemical safety assessment

No data available.

SECTION 16: OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Hazard symbols:



Extremely flammable

Risk phrase:

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

R 12 Extremely flammable.

R 67 Vapours may cause drowsiness and dizziness.

Safety phrase:

Utiliser et conserver à l'écart de toute source d'ignition et d'étincelles, source de chaleur,

appareil électrique en fonctionnement. Ne pas fumer.

S 2 Keep out of the reach of children.

S 46 If swallowed, seek medical advice immediately and show this container or label.

SAFETY DATA SHEET (REGULATION (EC) n° 1907/2006 - REACH)

Version: N°1 (03/03/2015)

GEB

BLACKFIRE

Pressurized container: protect from sunlight and do not expose to temperatures

Date: 31/03/2015 Page 11/11 Revision: N°1 (12/02/2015)

exceeding 50°C.

Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

S 51 Use only in well-ventilated areas.

S 41 In case of fire and/or explosion do not breathe fumes.

Title for H, EUH and R indications mentioned in section 3:

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.H226 Flammable liquid and vapour.

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.

H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

R 10 Flammable.
R 11 Highly flammable.
R 12 Extremely flammable.

R 20/21 Harmful by inhalation and in contact with skin.

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R 20/22 Harmful by inhalation and if swallowed.

R 22 Harmful if swallowed. R 36 Irritating to eyes.

R 37 Irritating to respiratory system.

R 37/38 Irritating to respiratory system and skin.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

R 65 Harmful: may cause lung damage if swallowed.
R 66 Repeated exposure may cause skin dryness or cracking.

R 67 Vapours may cause drowsiness and dizziness.

Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG: International Maritime Dangerous Goods. IATA: International Air Transport Association. ICAO: International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK: Wassergefahrdungsklasse (Water Hazard Class).

GHS02: Flame

GHS07: Exclamation mark