Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 29.01.2016 *Version number 5* *Revision: 29.01.2016*

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

· **1.1 Product identifier**

· Trade name: **WHITE SPIRIT**
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%).

· Article number: 0119

· EC number: 919-446-0
· Registration number 01-2119458049-33-XXXX

· **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
· Application of the substance / the mixture Solvents

· **1.3 Details of the supplier of the safety data sheet**
· Manufacturer/Supplier:

Société CHARBONNEAUX BRABANT	TEL: 03-26-49-58-70
Société P. BRABANT	TEL: 03-20-41-28-05
Société FLOURENT BRABANT	TEL: 03-20-41-28-05
Société BRABANT CHIMIE	TEL: 02-38-87-81-75
Société HAUGUEL Saint Ouen	TEL: 01-30-37-00-04
Société HAUGUEL Gonfreville	TEL: 02-32-79-55-00

· Further information obtainable from: Service Sécurité de la société CHARBONNEAUX BRABANT
5 rue de Valmy - Z.I. Port Sec - BP 341
51062 REIMS CEDEX
Tel: 03 26 49 58 70
Courriel: chimie@charbonneaux.com

· **1.4 Emergency telephone number:** ORFILA téléphone: 01 45 42 59 59
SAMU : 15
POMPIERS: 18
Pour connaître la liste des médecins de garde contactez le 15.
Emergency Number 112

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SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· Classification according to Regulation (EC) No 1272/2008

GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.

GHS08 health hazard

STOT RE 1 H372 Causes damage to the central nervous system through prolonged or repeated exposure. Route of exposure: Inhalation.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

· **2.2 Label elements**

· Labelling according to Regulation (EC) No 1272/2008 The substance is classified and labelled according to the CLP regulation.
· Hazard pictograms

GHS02 GHS07 GHS08 GHS09

· Signal word Danger
· Hazard statements H226 Flammable liquid and vapour.

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H336 May cause drowsiness or dizziness.
H372 Causes damage to the central nervous system through prolonged or repeated exposure. Route of exposure: Inhalation.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.

· Precautionary statements
Keep out of reach of children.
Read label before use.
If medical advice is needed, have product container or label at hand.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P271 Use only outdoors or in a well-ventilated area.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor/.
P331 Do NOT induce vomiting.
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P391 Collect spillage.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Additional information: *EUH066 Repeated exposure may cause skin dryness or cracking.*
· Information concerning particular hazards for human and environment: *The product does not, or does not generate, when used, other dangerous properties that would not be classified under Regulation No 1272/2008*

· **2.3 Other hazards**
· Results of PBT and vPvB assessment
· PBT: *The product does not possess PBT property, as defined in Annex XIII of Regulation (CE) n°1907/2006.*
· vPvB: *The product does not possess vPvB property, as defined in Annex XIII of Regulation (CE) n°1907/2006.*

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SECTION 3: Composition/information on ingredients

· **3.1 Substances** *A complex and variable combination of paraffinic, cyclic and aromatic hydrocarbons having a carbon number range predominantly of C9 to C12 and boiling in the range of approximately 135 °C to 220 °C.*
· CAS No. Description *Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%).*
· Identification number(s)
· EC number: *919-446-0*
· Additional information: *The EC substance definition and related classification & labelling has been developed in the framework of the Regulation (EC) No 1907/2006 (REACH).*
Related CAS number: 64742-82-1
Total aromatic content: 15-20%
· SVHC *no*

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SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· General information: *Contact staff aider and health, safety and environment service.*
· After inhalation: *In case of unconsciousness place patient stably in side position for transportation.*
Seek immediate medical advice.
Take affected persons into fresh air and keep quiet.
· After skin contact: *Immediately wash with water and soap and rinse thoroughly.*
Immediately remove any clothing soiled by the product.
If skin irritation continues, consult a doctor.
· After eye contact: *Rinse opened eye for several minutes under running water. Then consult a doctor.*
Verify that the victim bears no lenses - remove.
· After swallowing: *Risk of product entering the lungs on vomiting after ingestion. In this case, the casualty should be sent immediately to hospital.*
A person vomiting while laying on their back should be turned onto their side.
Do not induce vomiting unless directed by a physician

· **4.2 Most important symptoms and effects, both acute and delayed** *Repeated exposure may cause skin dryness or cracking.*
Headache
Nausea
· **4.3 Indication of any immediate medical attention and special treatment needed** *No specific treatment required.*

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· Suitable extinguishing agents: *Water spray*
Foam
Fire-extinguishing powder
Carbon dioxide

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Use fire extinguishing methods suitable to surrounding conditions.

· For safety reasons unsuitable extinguishing agents: *Water with full jet*

· **5.2 Special hazards arising from the substance or mixture**
Carbon monoxide (CO)
Carbon dioxyde
Fumes can combine with air an explosive mixture
Run off to sewer may cause fire or explosion hazard.
During heating or in case of fire poisonous gases are produced.

· **5.3 Advice for firefighters**
· **Protective equipment:** *Wear self-contained respiratory protective device.*
Do not inhale explosion gases or combustion gases.

· Additional information *Cool endangered receptacles with water spray.*

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
Avoid contact with skin and eyes
do not touch or walk through spilled.

· **6.2 Environmental precautions:** *Inform respective authorities in case of seepage into water course or sewage system.*
Prevent seepage into sewage system, workpits and cellars.

· **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Use explosion-proof equipment

· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

*
SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Wear protective equipment required before operation (see Chapter 8)
if possible use an enclosed transfer system.

· Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
Fumes can combine with air to form an explosive mixture.
Safety equipment to fight against fire, leak or spill must be easily accessible
Grounding equipment

· **7.2 Conditions for safe storage, including any incompatibilities**
· Storage:
· Requirements to be met by storerooms and receptacles:
Store only in the original receptacle.
Use only receptacles specifically permitted for this substance/product.
Storage tanks must be equipotential electric connexion, and a grounding connection
Provide a diked

· Information about storage in one common storage facility:
Store away from foodstuffs.
Do not store together with oxidising and acidic materials.

· Further information about storage conditions: *Store in cool, dry conditions in well sealed receptacles.*
Protect from heat and direct sunlight.

· **7.3 Specific end use(s)** *No further relevant information available.*

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SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities: *No further data; see item 7.*

· **8.1 Control parameters**
· Ingredients with limit values that require monitoring at the workplace: *Not required.*

· DNELs

DNEL	*(CON)* *Dermal - long term, systemic effect : 26mg/kg bw/day* *Inhalation - long term, systemic effect : 71mg/m3/24h* *Oral - long term, systemic effect : 26mg/kg bw/day* *(TRA)* *Dermal - long term, systemic effect : 44mg/kg bw/day* *Inhalation - long term, systemic effect : 330mg/m3/8h*

· PNECs *Information not available*
· Additional information: *The lists valid during the making were used as basis.*

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· ***8.2 Exposure controls***
· Personal protective equipment:
· General protective and hygienic measures: *The usual precautionary measures are to be adhered to when handling chemicals.*
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Promote the establishment of collective protection over personal safety equipment
· Respiratory protection: *Use suitable respiratory protective device in case of insufficient ventilation.*
In case of risk of exposure exceeding the mean exposure value, an appropriate breathing apparatus must be worn by each individual.
use products in accordance with an approved standard
· Recommended filter device for short term use: *Be aware that filter protection time is limited.*
Appropriate filter combination, for example ABEK-P2
· Protection of hands:

Protective gloves

norme EN374
Selection of the glove material depending on the penetration times, rates of diffusion and the degradation. It should be borne in mind that the resistance of a glove is influenced by factors such as the temperature of the product, its concentration, the thickness of the glove, the dipping time. Maintain chemical risk demand also know all other parameters specific to the workstation (mechanical risk, thermal, dexterity required handling of abrasive parts ...).
Refer to the information on the chemical resistance of glove manufacturer of each and conduct a test to determine if the glove is suitable to the conditions of actual use.

· Material of gloves *Nitrile rubber, NBR*
PVA gloves
Fluorocarbon rubber (Viton)
Recommended thickness of the material: ≥ 0.45
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
· Penetration time of glove material *Value for the permeation: Level ≤ 480min*
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. It should be noted that the sustainability of chemical-resistant gloves may be considerably shorter than the penetration time measured by the EN374 standard due to the many specific exterior effects workstation.
· Eye protection:

Tightly sealed goggles

· Body protection: *Protective work clothing*

*
SECTION 9: Physical and chemical properties

· ***9.1 Information on basic physical and chemical properties***
· General Information
· Appearance:
Form: *Liquid*
Colour: *Colourless*
· Odour: *Characteristic*
· Odour threshold: *Information not available*

· pH-value: *Not applicable.*

· Change in condition
Melting point/Melting range: *Undetermined.*
Boiling point/Boiling range: *150-250 °C (302-482 °F)*

· Flash point: *40 °C (104 °F)*

· Flammability (solid, gaseous): *Not applicable.*

· Ignition temperature: *>230 °C (>446 °F)*

· Danger of explosion: *Product is not explosive. However, formation of explosive air/vapour mixtures are possible.*

· Explosion limits:
Lower: *0,7 Vol %*
Upper: *7 Vol %*

· Vapour pressure at 20 °C (68 °F): *<5 hPa (<4 mm Hg)*

· Density:

Bulk density at 20 °C (68 °F): *774-795 kg/m³*

· Solubility in / Miscibility with
water: *Insoluble.*

· Partition coefficient (n-octanol/water): *Not determined.*

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· Viscosity: Kinematic at 40 °C (104 °F):	0.95 mm²/s
· **9.2 Other information**	No further relevant information available.
· Additional information	Ethanol is classed as a VOC under Solvent Emissions directive 99/13

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SECTION 10: Stability and reactivity

· **10.1 Reactivity**	No further relevant information available.
· **10.2 Chemical stability**	
· Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions**	No dangerous reactions known.
· **10.4 Conditions to avoid**	Heat / heat source Avoid accumulation of electrostatic charges
· **10.5 Incompatible materials:**	Strong acids oxidizing agents
· **10.6 Hazardous decomposition products:**	The combustion produces oxides of carbon

*
SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**

· **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

Oral	LD50	>15000 mg/kg (RAT) (OECD 401)
Dermal	LD50	>3400 (24h) mg/kg (RAT)
Inhalative	LC50	>13100 (4h) mg/l (RAT) (OECD 403)

· Oral:	Available data indicates that calssification criteria are not met.
· Dermal:	Available data indicates that calssification criteria are not met.
· Inhalation:	Available data indicates that calssification criteria are not met.
· **Primary irritant effect:**	
· Skin corrosion/irritation	Based on available data, the classification criteria are not met.
· Serious eye damage/irritation	Based on available data, the classification criteria are not met.
· **Sensitization:**	Based on available data, the classification criteria are not met.
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**	
· Germ cell mutagenicity	Based on available data, the classification criteria are not met.
· Carcinogenicity	Based on available data, the classification criteria are not met.
· Reproductive toxicity	Based on available data, the classification criteria are not met.
· Carcinogenicity:	Available data indicates that classification criteria are not met.
· Germ cell mutagenicity:	Available data indicates that classification criteria are not met. The mutagenic potential of the substance has been extensively studied in a range of in-vivo and in-vitro assays.
· Reproductive toxicity:	Available data indicates that classification criteria are not met. Results of guideline developmental toxicity studies on the substance and OECD developmental toxicity screening studies showed no evidence of developmental toxicity in rats.
· **STOT-single exposure**	May cause drowsiness or dizziness.
· **STOT-repeated exposure**	Causes damage to the central nervous system through prolonged or repeated exposure. Route of exposure: Inhalation.
· **Aspiration hazard**	May be fatal if swallowed and enters airways.

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SECTION 12: Ecological information

· **12.1 Toxicity**

· Aquatic toxicity:

NOELR	0.76mg/l (72h) mg/l (ALGUES) (OECD 201) Pseudokirchneriella subcapitata - growth rate - biomass
	0.28mg/l, 21d mg/l (DAPHNIES) (OECD 211) Daphnia magna
	0.13mg/l, 28d mg/l (POISSON) (QSAR Petrotox) Oncorhynchus mykiss
ErL50	4.1mg/l (72h) mg/l (ALGUES) (OECD 201) Pseudokirchneriella subcapitata
EbL50	4.6-10, 72h mg/l (ALGUES) (OECD 201) Pseudokirchneriella subcapitata
EL50	10-22mg/l, 48h mg/l (DAPHNIES) (OECD 202) Daphnia magna
LL50	10-30mg/l, 96h mg/l (POISSON) (OECD 203) Oncorhynchus mykiss

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· **12.2 Persistence and degradability**

Biodegradabilité	28jours, 75% % (OTH) (OECD 301F) Facilement biodegradable

· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.
· Additional ecological information:
· COD-value: Information not available
· BOD5-value: Information not available
· General notes: Do not allow product to reach ground water, water course or sewage system.
Toxic for aquatic organisms
· **12.5 Results of PBT and vPvB assessment**
· PBT: The product does not possess PBT property, as defined in Annex XIII of Regulation (CE) n°1907/2006.
· vPvB: The product does not possess vPvB property, as defined in Annex XIII of Regulation (CE) n°1907/2006.
· **12.6 Other adverse effects** No further relevant information available.

*
SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
For the handling of waste, take the precautions mentioned in Chapter 7 and 8
Reuse or recycle where possible
Otherwise, incineration using methods recommended
· Uncleaned packaging:
· Recommendation:
Packagings that may not be cleansed are to be disposed of in the same manner as the product.
Do not cut, puncture or weld near empty containers
empty containers may contain hazardous residues
Do not remove the label on the package until it is cleaned
Do not treat the empty packaging as a household waste.
Do not incinerate sealed packaging

*
SECTION 14: Transport information

· **14.1 UN-Number**
· ADR, IMDG, IATA UN1300

· **14.2 UN proper shipping name**
· ADR 1300 TURPENTINE SUBSTITUTE, ENVIRONMENTALLY HAZARDOUS
· IMDG TURPENTINE SUBSTITUTE
· IATA Turpentine substitute

· **14.3 Transport hazard class(es)**
· ADR

· Class 3 (F1) Flammable liquids.
· Label 3

· IMDG, IATA

· Class 3 Flammable liquids.
· Label 3

· **14.4 Packing group**
· ADR, IMDG, IATA III

· **14.5 Environmental hazards:** Environmentally hazardous substance, liquid
· Marine pollutant: No
· Special marking (ADR): Symbol (fish and tree)

· **14.6 Special precautions for user** Warning: Flammable liquids.
· Danger code (Kemler): 30
· Stowage Category A

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

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· Transport/Additional information:	
· ADR	
· Excepted quantities (EQ)	*Code: E1* *Maximum net quantity per inner packaging: 30 ml* *Maximum net quantity per outer packaging: 1000 ml*
· Tunnel restriction code	*D/E*
· IMDG	
· Limited quantities (LQ)	*5L*
· Excepted quantities (EQ)	*Code: E1* *Maximum net quantity per inner packaging: 30 ml* *Maximum net quantity per outer packaging: 1000 ml*
· UN "Model Regulation":	*UN 1300 TURPENTINE SUBSTITUTE, 3, III, ENVIRONMENTALLY HAZARDOUS*

*
SECTION 15: Regulatory information

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

· TSCA (Toxic Substances Control Act):	*Substance is not listed.*
· Philippines Inventory of Chemicals and Chemical Substances	*Substance is not listed.*
· Chinese Chemical Inventory of Existing Chemical Substances	*Substance is not listed.*
· Australian Inventory of Chemical Substances	*Substance is not listed.*
· Canadian Domestic Substances List (DSL)	*Substance is not listed.*
· Labelling according to Regulation (EC) No 1272/2008	*see Chapter 2*
· Information about limitation of use:	*Comply with applicable national regulations*
· Substances of very high concern (SVHC) according to REACH, Article 57	*no*
· ***15.2 Chemical safety assessment:***	*A Chemical Safety Assessment has been carried out.*

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids, Hazard Category 3
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

· * Data compared to the previous version altered.

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Annex: Exposure scenario

· ***Short title of the exposure scenario*** *not available*