

MATERIAL SAFETY DATA SHEET

In accordance with Regulation (EC) No. 1907/2006 and Regulation (EU) No. 2020/830

SIN HOLLIN

Date of emission: 08/11/2021 **Date of printing: 08/11/2021**

Version N°: 1

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

1.1 Product identifier

Commercial name: SIN HOLLIN

Code:

07901 *SIN-HOLLIN TUBO 140 GRS. APROX
07902*SIN-HOLLIN CAJA 10 SOBRES
07903*SIN-HOLLIN CAJA 2 SOBRES X 50G
SUPER FOC 07904*SIN-HOLLIN CAJA 1 SOBRE X 100G
07906*SIN-HOLLIN BOTE 400 grs.
07907*SIN-HOLLIN BOTE 1 KILO

MAURIS 62210 *DESHOLLINADOR TUBO 175 GRS. MAURIS

HUJE 95004 - *SIN-HOLLIN TUBO 150 GRS. HUJE
95006- *SIN-HOLLIN CAJA 10 SOBRES HUJE

BRIXO 02337- *SIN-HOLLIN BRIXO 140 GRS. TUBO
02347- *SIN-HOLLIN BRIXO 10 SOBRES

WURKO 51074- *SIN-HOLLIN BRIXO 10 SOBRES

UFI: HD02-90G3-H00V-YYX5

Substance identity who contribute to the mixture classification: Potassium nitrate

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

Relevant identified uses: Chimney sweep

Uses advised: No uses advised against, as long as the information on this safety data sheet are met.

1.3 Details of the supplier of the safety data sheet

HIDALGO PRODUCTOS, S.A.
Ctra. del Pla, 275 - Pol. Ind. Valls. 43800 Valls (Tarragona)
Phone: 977602126
Fax: 977612829
E-mail: dptocomercial@hidalgo-products.com
www.hidalgo-products.com

1.4 Emergency telephone number

Toxicological Information Service (National Institute of Toxicology and Forensic Sciences), Tel: +34 915 620 420 Information in Spanish (24h / 365 days). Only for the purpose of providing sanitary response in case of emergency.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008 (CLP):

Ox. Sol. 3, H272

Full text of hazard statements mentioned is indicated in section 16.

2.2 Label elements

Regulation (EC) No 1272/2008:

Hazard Pictogram (s):

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Signal word:

Warning

Hazard statement(s):

H272 May intensify fire; oxidiser

Precautionary Statement (s):

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/sparks/open flames/hot surfaces. — No smoking.

P221 Take any precaution to avoid mixing with combustibles...

P280 Wear protective gloves.

P370+P378 In case of fire: Use any means available for extinction.

P501 Dispose of contents/container according to local / national legislation

2.3 Other hazards

Results on PBT and mPmB valuations: This mixture does not meet the criteria for PBT in accordance with regulation (EC) No 1907/2006, Annex XIII. This mixture does not meet the criteria for mPmB in accordance with regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Substances that make up the mixture and represent a danger to health or the environment according to the Regulation (EC) No. 1272/2008, are classified as PBT / vPvB or included in the Candidate List. Components subject to occupational exposure limits:

Chemical denomination	Indicators	Classification - Regulation (EC) No 1272/2008 (CLP)	Concentration (% W/W)	Specific concentration limits M factor
Potassium nitrate	CAS No: 7757-79-1 EC No: 231-818-8 INDEX No: - REACH No: 01-2119488224-35-0045	Ox. Sol. 3, H272	<90%	-
Iron oxide (Fe2O3)	CAS No: 1309-37-1 EC No: 215-168-2 INDEX No:- REACH No:-	Not classified	<17%	-
Quartz (SiO2)	CAS No: 14808-60-7 EC No: 238-878-4 INDEX No:- REACH No:-	Not classified	<1%	-

Full text of hazard statements mentioned is indicated in section 16.

Components with workplace control parameters: Section 8.

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SECTION 4: First aid measures

4.1 Description of first aid measures

General Advice:

Have the product container, label or safety data sheet at hand when calling to the National Institute of Toxicology or doctor. Move away the affected person from the exposition source. Move person to fresh air and give him rest. Do not give anything to drink to the victim if he is unconscious.

Symptoms as consequences of intoxication may appear after exposition, in case of any doubt of direct exposition to the chemist product or a persistent malaise, seek medical attendance, showing the product's SDS.

Inhalation:

In case of appearing intoxication symptoms, move the affected person away from the zone of exposition, move him or her to fresh air. Seek medical attention if the symptoms persist or aggravate.

Skin contact:

Take off contaminated clothing and shoes. Rinse skin or shower the affected person if necessary, with plenty of water and neutral soap. Never use solvent or diluents. Seek medical attention if the symptoms persist or aggravate.

Eye contact:

Rinse eye with plenty of water for at least 15 minutes. Avoid the affected person close or rub his or her eyes. In case of the affected person uses contact glasses, this must be remove as long as they are not glued to the eye, otherwise it would produce an additional damage. Seek medical attention if the symptoms persist or aggravate.

Ingestion:

Rinse mouth.

4.2 Most important symptoms and effects, both acute and delayed

The main symptoms and effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed

In case of any doubt or where the symptom persists, seek medical attention.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Not flammable product under normal storage conditions, handling and use. In case on due to improper handling, storage or use, it must preferably apply:

Polyvalent powder extinguishers (ABC powder), according to regulation for protection against fires alcohol resistant

- foam .
- Water spray.
- Atomizer sprayer.

Not-suitable extinguishing agents:

- Big volume water squirt to avoid fire dispersion.

5.2 Special hazards arising from the substance or mixture

Fire Danger:

As consequence of combustion or thermal decomposition reaction sub products are generated that can be highly toxic and, consequently may present a highly risk for health (SECTION 10).

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5.3 Advice for firefighters

Depending on fire magnitude, a complete set of protective clothing and an autonomous breath equipment can be used. Have a minimum of emergency facilities or element of action (fire blanket, first aid kit,...) according to legislation (R.D.486/1997 and posterior modifications).

Additional information:

Suppress any source of ignition. In case of fire refrigerate the storage containers with product susceptible to inflammation or explosion as consequences of high temperatures. Avoid the spill of products used for fire extinction to the aquatic environment.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Isolate leaks as long as they don't suppose an additional risk for staff who make this function. Personal protective equipment is required for exponential exposition to the spill product (SECTION 8). Evacuate the zone and keep unprotected people away.

6.2 Environmental precautions

Prevent entry into sewer, water courses and soil. In case of big spills or if the product contaminate lakes, rivers or sewer inform competent authorities, according to local regulation.

6.3 Methods and material for containment and cleaning up

Pick up mechanically. For any other consideration relative to product elimination consult section 13.

6.4 Reference to other sections

Personal protection: SECTION 8

Waste treatment: SECTION 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advises for a safe handling:

Use Personal protective equipment. Dispose of enough air renovation and/or air extraction in working areas. Avoid eye, skin and clothes contact. Emergency eyewash and safety shower must be located at the immediate proximities. Before product handling make sure that container is clean and is the right one. Containers must be well closed and conveniently labeled

Hygiene measures:

Don't drink, eat or smoke in working areas; wash hands after every handling. Taker off contaminated clothes and protective equipment before enter an eating area.

7.2 Conditions for safe storage, including any incompatibilities

Store according to local legislation. Observe the indications of the tag. Store the containers between 5 and 25 °C, in a dry and well-ventilated place, away from sources of heat and direct sunlight. Keep away from ignition points. Keep away from oxidizing agents and strongly acidic or alkaline materials. No Smoking. Send the invite to unauthorized people. Once the containers are opened, they must be carefully resealed and placed vertically to avoid spillage.

Storage classification and quantity threshold according to Annex I of the Directive 2012/18/UE (SEVESO III):

Code	Description	Quantity threshold (tons) to application effects of:	
		Lower level requirements	Upper level requirements
5	Potassium nitrate	50000	10000

7.3 Specific end use(s)

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There is no specific recommendation different from the one mentioned in section 1.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Occupational exposure limits

Substances whose occupational exposure values have to be controlled in the work environment:

IDENTIFICATION	CONTROL PARAMETERS/PERMISSIBLE CONCENTRATION	
	TLV-TWA	TLV-STEL
Iron oxide (dust and fumes) as Fe	5 mg/m ³	-
Quartz (SiO ₂)	0,05 mg/m ³	-

8.1.2 Additional exposure limits under the condition of use

DNEL values:

Human exposition: worker

identification	Short exposure			long exposure	
	Systemic	Local	Systemic	Local	Local
Potassium nitrate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	dermal	Not relevant	Not relevant	20.8 mg/Kg	Not relevant
	Inhalation	Not relevant	Not relevant	36.7 mg/m ³	Not relevant

Human exposition: consumer

identification	Short exposure			long exposure	
	Systemic	Local	Systemic	Local	Local
Potassium nitrate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	dermal	Not relevant	Not relevant	12.5 mg/Kg	Not relevant
	Inhalation	Not relevant	Not relevant	10.9 mg/m ³	Not relevant

PNEC. Values environmental exposure

identification	identification			
	STP	18 mg/L	Freshwater	0.45 mg/L
Potassium nitrate	Soil	-	Marine water	0.045 mg/L
	Intermittent	4.5 mg/L	Sediment (Freshwater)	-
	Air	-	Sediment (Marine water)	-

8.2 Exposure controls

Engineering controls

The product must be used in equipment designed with the purpose of don't expose the operator in normal handling conditions.
Provide adequate general ventilation.

Respiratory protection:	
EPI:	Filtering mask for protection against chemical products
Characteristics:	«CE» mark Category III. The mask must have a wide field of view and an anatomic shape to offer tightness
CEN normative:	EN 136, EN 140, EN 405
Maintenance:	Do not store in high temperatures expose places and wet environments before using. Inhalation and exhalation valves of facial adaptor must be specially controlled.



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Observations:	The manufacturer's instructions regarding the use and maintenance of the equipment should be carefully read. Filters will be attached to the equipment according to risk characteristics (Particles and aerosols: P1-P2-P3, Gases and Vapors: A-B-E-K-AX), Changing as advised by the manufacturer		
Hand protection:			
EPI:	Non disposable chemical resistant gloves		
Characteristics:	«CE» mark Category III. Before using check a list of chemical product against which the gloves are resistant.		
CEN normative:	EN 374-1, En 374-2, EN 374-3, EN 420		
Maintenance:	A timetable for the periodic replacement of gloves should be established to ensure that they are changed before being permeated by contaminants. The use of contaminated containers can be more dangerous than the lack of use, because the contaminant can be accumulated in the material component of the glove.		
Observations:	Gloves with cracks, deformation or when the external dirt might decrease its resistance must be immediately replaced		
Material:	PVC (Polyvinyl chloride)	Penetration time (min.):	> 480
		material thickness (mm):	0,35
Eye protection			
EPI:	integral frame safety goggles.		
Characteristics:	«CE» mark Category III. Integral frame eye protector against dust,smokes,mist and vapors.		
CEN normative:	EN 165, EN 166, EN 167, EN 168		
Maintenance:	Clean daily and disinfect periodically according to manufacture advises. Use recommend in case of spill risks.		
Observations:	Deterioration indicators: yellow coloring, scratches, cracks, etc...		
Skin protection			
EPI:	Chemical resistant clothing		
Characteristics:	«CE» mark Category III. Clothing must have a good adjustment. Protection level must be set according to test parameter called "Breaking time" (BT breaking time) which indicates the time the chemical takes to pass through the material.		
CEN normative:	Conservation and washing instructions must be provided by manufacturer to ensure unchanged protection		
Maintenance:	The protective clothing design should facilitate their correct positioning and permanence without displacement, during the intended period of use, considering the environmental factors, along with the movements and postures that the user can adopt during their activity.		
Observations:	Conservation and washing instructions must be provided by manufacturer to ensure unchanged protection		
EPI:	chemical resistant footwear and with anti-static properties		
Characteristics:	«CE» mark Category III. Before using check a list of chemical product against which the shoes are resistant.		
CEN normative:	EN ISO 13287, EN 13832-1, EN 13832-2, EN 13832-3, EN ISO 20344, EN ISO 20345		
Maintenance:	For correct maintenance of this kind of safety footwear it is essential to take into account the instructions specified by the manufacturer. Footwear must be replaced in the event of any signs of deterioration.		
Observations:	Footwear must be cleaned regularly and dries when wet but without placing it too close to a heat source to avoid sudden temperature changes.		

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical aspect:

20 °C state: Solid

Appearance: Powder

Colour: Black

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Odour: Non relevant *

Odour threshold: Non relevant *

Volatility:

Boiling point at atmospheric pressure: Non relevant *

Vapor pressure at 25°C: Non relevant *

Vapor pressure at 50 °C: Non relevant *

Evaporation rate at 20 °C: Non relevant *

Products characteristics:

Density: Non relevant *

Relative density at 25 °C: Non relevant *

Dynamic Viscosity: Non relevant *

Kinematic viscosity at 20 °C: Non relevant *

Kinematic viscosity 40 °C: >20,5 mm²/s

pH: Non relevant *

Vapor density at 20°C: Non relevant *

n-octane/water coefficient of distribution at 20 °C: Non relevant *

Solubility: Non relevant *

Solubility properties: Non relevant *

Decomposition temperature: Non relevant *

Melting point/freezing point: 333°C to 1013hPa °C (Potassium nitrate)

Explosive properties: Non explosive

Oxidizing properties: Non Oxidizing

Flammability:

Flash point; Non relevant *

Flammability (solid, gas): Non relevant *

Auto-ignition temperature: Non relevant *

Upper flammability: Non relevant *

Lower flammability: Non relevant *

*Not relevant due to the nature of the product, not providing information characteristic of its dangerousness.

9.2 Other information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Not know reactivity risks under normal storage conditions and handling,

10.2 Chemical stability

Stable under normal storage and handling conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions expected.

10.4 Conditions to avoid

Flammable agents, combustible agents, reducing agents, strong acids.

10.5 Incompatible materials

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Flammable agents, combustible agents, reducing agents, strong acids.

10.6 Hazardous decomposition products

Thermal decomposition products: Nitrogen oxides (NO_x), potassium nitrite and potassium oxide.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

a) Acute toxicity

Substance Acute Toxicity estimated (ATE)	
ATE oral	>2000 mg/Kg
ATE skin	>2000 mg/Kg
ATE inhalation	>20 mg/L
Potassium nitrate	
LD ₅₀ oral	>2000 mg/kg (rat)
LD ₅₀ dermic	> 5000 mg/kg (rat)
LC ₅₀ inhalation	>0.527 mg/L (rat) (4h)

Not classified (seeing the available data, Classification criteria are not met)

b) Skin corrosion/irritation

Not classified (seeing the available data, Classification criteria are not met)

c) Serious eye damage/irritation

Not classified (seeing the available data, Classification criteria are not met)

d) Respiratory or skin sensitization

Not classified (seeing the available data, (Classification criteria are not met)

e) Germ cell mutagenicity

Not classified (seeing the available data, (Classification criteria are not met)

f)) Carcinogenicity

Not classified (seeing the available data, (Classification criteria are not met)

g) Reproductive toxicity

Not classified (seeing the available data, (Classification criteria are not met)

h) STOT-repeated exposure

Not classified (seeing the available data, (Classification criteria are not met)

i) STOT-single exposure

Not classified (seeing the available data, (Classification criteria are not met)

j) Aspiration hazard

Not classified (seeing the available data, (Classification criteria are not met)

11.2 Information on other hazards

No data available

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SECTION 12: Ecological information

12.1 Toxicity

Potassium nitrate				
	Parameter	Species	Methods	Duration of exposure
Short-term toxicity to fish	LC ₅₀ =1378 mg/l	Poecilia reticulata	-	96 h
Short-term toxicity to Aquatic invertebrates	EC ₅₀ =490 mg/l	Dafnia Magna	-	48 h
Toxicity to aquatic algae	EC ₅₀ >1700 mg/L	-	-	96 h

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

This mixture is not considered persistent, bioaccumulative and toxic (PBT). This mixture is not considered persistent, bioaccumulative and toxic (mPmB).

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Type of waste (Regulation (EU) No 1357/2014):

Code: It is not possible to assign a specific code.

Waste Management:

Consult to therized waste manager the validation and elimination operation according to Annex 1 and 2 (Directive 2008/98/CE, law 22/2011).According to codes 15 01 (2014/955/EU) the container in case of contact with the product it will be managed the same way that the product himself, otherwise it will be managed as non-hazardous waste. Product disposal to the water is not advise. See section 6.2.

Legislative provisions related to waste management:

According to Annex II of Regulation (EC) No 1907/2006 (REACH), the Community or state provisions related to waste management are:

Community legislation: Directive 2008/98 / EC, 2014/955 / EU, Regulation (EU) No 1357/2014

National legislation: Law 22/2011.

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SECTION 14: Transport information

The transport of dangerous goods must be carried out in accordance with current international regulations: ADR for road transport, RID for transport by rail, IMDG for transport by sea, DNA for transport by inland waterways (ADNR (on the Rhine)), and the ICAO / IATA technical instructions for air transport, in addition to the provisions for national transport of dangerous goods by road.

The data indicated below (except as mentioned in 14.6) are identical for all dangerous goods regulations indicated (ADR, RID, IMDG, ADN, ICAO, IATA).

14.1 UN number or ID number

UN : 1479

14.2 UN proper shipping name

OXIDIZING SOLID, N.O.S.

14.3 Transport hazard class(es)

Hazard Class: 5.1

Label: 5.1



14.4 Packing group

ADR

Packing group: III

Tunnel restriction code: (E)

IMDG

Packing group: III

IATA

Packing group: III

14.5 Environmental hazards

Marine pollutant: No

14.6 Special precautions for user

ADR

Special provisions: 274

Limited quantities: 5 Kg

Excepted quantities: E1

IMDG

Special provisions: 223-274-900

Limited quantities: 5 Kg

EmS Number: F-A, S-Q

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14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

Regulations applied:

- REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures and subsequent modifications.
- Regulation (EC) No 1907/2006 (REACH) OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL, of 18 December 2006, concerning the Registration, Evaluation, Authorization and Restriction of Chemicals, and subsequent modifications.
 - Regulation (EC) No 1907/2006, provisional list (Candidate List) of SVHCs (SEP) that may be subject to authorization under REACH: Not present or not present in regulated quantities.
 - Regulation (EC) No. 1907/2006 REACH, Annex XIV Substances subject to authorization, as amended: Not present or not present in regulated quantities.
 - Regulation (EC) No. 1907/2006, Annex XVII, Substances subject to restrictions applicable to the placing on the market and use: Not present or not present in regulated quantities.
- SEVESO III: DIRECTIVE 2012/18 / EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 on the control of major-accident hazards involving dangerous substances and amending and subsequently repealing Directive 96/82 / EC: Section 7

15.2 Chemical safety assessment

The supplier has not carried out chemical safety assessment.

Other information

16.1 Legislation applicable to safety data sheets

This safety data sheet has been prepared in accordance with ANNEX II-Guide for the elaboration of Safety Data Sheets of Regulation (EC) 1907/2006 (REACH), updated in accordance with REGULATION (EU) 2020/878 OF THE COMMISSION of June 18, 2020

16.2 Text of the H statements, which are referred to in Sections 2 and 3:

Regulation (EC) No 1272/2008 (CLP):

Ox. Sol. 3: Oxidizing solid, Category 3.
H272 May intensify fire; oxidiser

16.3 Abbreviators and acronyms

REACH: Regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals.
CLP: European regulation on Classification, Labelling and Packaging of substances and chemical mixtures.
CE: European List of Notified Chemical Substances.
CAS: Chemical Abstracts Service (Division of the American Chemical Society).
PBT: Persistent, bioaccumulable and toxic substances.
vPvB: Very persistent and very bioaccumulable substances.
PNEC: Predicted No-Effect Concentration (REACH).
DNEL: Derived No Effect Level.
LD50: Lethal dose, 50 percent.
LC50: Lethal concentration, 50 percent.
EC50: Median Effective Concentration.
UN: United Nations Organization.
ADR: European agreement concerning the international carriage of dangerous goods by road.
RID: Regulations concerning the international transport of dangerous goods by rail

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IMDG: International Maritime code for Dangerous Goods. # · IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

TWA: Threshold Limit Value.

16.4 Main biographical sources

- <http://esis.jrc.ec.europa.eu>
- <http://echa.europa.eu>
- <http://europhrac.eu>
- <http://echemportal.org>
- <http://toxnet.nlm>
- <http://inchem.org>
- <http://epa.gov>
- <http://insh.es>
- Access to European Union law, <http://eur-lex.europa.eu/>
- European Agreement on the International Carriage of hazardous Goods by Road. (ADR 2015)
- International Maritime hazardous Goods Code IMDG including amendment 37-14 (IMO, 2014)

16.5 Information of methods of evaluation

Article 9 Regulation No (EC) 1272/2008 (CLP).

The mixture classification is based in general calculation methods using substances data, according to legislation (CE) No 1272/2008 See section 9 for chemical and physical properties, section 11 for toxicological information and section 12 for ecological information.

It is advisable to carry out basic training regarding safety and occupational hygiene to perform a correct handling of the product.

The information in this Safety Data Sheet is based on sources, technical knowledge and current legislation at European level and state. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the material specified and may not be valid for such material used in combination with other materials or in any process, unless indicated in the text

-End of the Security Data Sheet -