

SAFETY DATA SHEET



BRUSH-OFF®

Version 2.0 Revision Date: 21.02.2022 SDS Number: 50001047 Date of last issue: -
Date of first issue: 19.02.2019

Long-term (chronic) aquatic hazard, Category 1 H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements :

Prevention:
P273 Avoid release to the environment.

Response:
P391 Collect spillage.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB). This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
metsulfuron-methyl (ISO)	74223-64-6 613-139-00-2	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1,000 M-Factor (Chronic aquatic toxicity): 1,000	>= 50 - < 70

SAFETY DATA SHEET



BRUSH-OFF®

Version 2.0 Revision Date: 21.02.2022 SDS Number: 50001047 Date of last issue: -
Date of first issue: 19.02.2019

Residues (petroleum), catalytic re-former fractionator, sulfonated, polymers with formaldehyde, sodium salts	68425-94-5	Eye Irrit. 2; H319 Aquatic Chronic 3; H412	$\geq 2.5 - < 10$
trisodium orthophosphate	7601-54-9 231-509-8	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory system) Aquatic Chronic 3; H412	$\geq 1 - < 2.5$

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

- General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Dry chemical, CO₂, water spray or regular foam.
- Unsuitable extinguishing media : Do not spread spilled material with high-pressure water streams.

BRUSH-OFF®

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	21.02.2022	50001047	Date of first issue: 19.02.2019

5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Nitrogen oxides (NO_x)
Sulfur oxides
Carbon oxides

5.3 Advice for firefighters

- Special protective equipment for fire-fighters : Firefighters should wear protective clothing and self-contained breathing apparatus.
- Specific extinguishing methods : Remove undamaged containers from fire area if it is safe to do so.
Use a water spray to cool fully closed containers.
- Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : Evacuate personnel to safe areas.
Use personal protective equipment.
If it can be safely done, stop the leak.
Do not touch or walk through the spilled material.
Avoid dust formation.
Never return spills in original containers for re-use.
For disposal considerations see section 13.

6.2 Environmental precautions

- Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

- Methods for cleaning up : Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

BRUSH-OFF®

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	21.02.2022	50001047	Date of first issue: 19.02.2019

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Advice on safe handling : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Avoid formation of respirable particles.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Provide appropriate exhaust ventilation at places where dust is formed.
- Hygiene measures : General industrial hygiene practice. Avoid contact with skin, eyes and clothing. Do not breathe dust or spray mist.
- Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.
- Advice on common storage : Do not store near acids.
- Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
sucrose	57-50-1	OEL-RL	10 mg/m ³	ZA OEL
Further information	Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents			

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Routes of exposure	Potential health effects	Value
trisodium orthophosphate	Workers	Inhalation	Long-term systemic effects	4.07 mg/m ³
	Consumers	Inhalation	Long-term systemic effects	3.04 mg/m ³

SAFETY DATA SHEET



BRUSH-OFF®

Version 2.0 Revision Date: 21.02.2022 SDS Number: 50001047 Date of last issue: -
Date of first issue: 19.02.2019

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
trisodium orthophosphate	Sewage treatment plant	50 mg/l

8.2 Exposure controls

Personal protective equipment

- Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
- Hand protection
Material : Protective gloves
- Remarks : The suitability for a specific workplace should be discussed
with the producers of the protective gloves.
- Skin and body protection : Protective suit

Dust impervious protective suit
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Protective measures : Plan first aid action before beginning work with this product.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance : granular
- Color : light brown
- Odor : odorless
- Odor Threshold : No data available
- pH : 4.2
- Melting point/range : No data available
- Boiling point/boiling range : Decomposition: yes
- Flash point : Not applicable

Not applicable
- Upper explosion limit / Upper flammability limit : No data available
- Lower explosion limit / Lower flammability limit : No data available
- Relative density : 1.47 (25 °C)

SAFETY DATA SHEET



BRUSH-OFF®

Version 2.0 Revision Date: 21.02.2022 SDS Number: 50001047 Date of last issue: -
Date of first issue: 19.02.2019

Density : No data available

Bulk density : 0.64 - 0.74 kg/m³Tapped

Solubility(ies)
Water solubility : dispersible

Partition coefficient: n-octanol/water : Not applicable

Autoignition temperature : No data available

Decomposition temperature : No data available

Viscosity
Viscosity, dynamic : Not applicable

Viscosity, kinematic : Not applicable

Explosive properties : Not explosive

9.2 Other information

Self-ignition : No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

Dust may form explosive mixture in air.

10.4 Conditions to avoid

Conditions to avoid : Avoid extreme temperatures
Avoid dust formation.

No data available

10.5 Incompatible materials

Materials to avoid : Avoid strong acids, bases, and oxidizers.

Not applicable

BRUSH-OFF®

Version 2.0 Revision Date: 21.02.2022 SDS Number: 50001047 Date of last issue: -
Date of first issue: 19.02.2019

10.6 Hazardous decomposition products**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

Not classified based on available information.

Product:

- Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 401
- Acute inhalation toxicity : Acute toxicity estimate: 8.96 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method
- Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 402
GLP: yes

Components:**metsulfuron-methyl (ISO):**

- Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
- Acute inhalation toxicity : LC50 (Rat): > 5.3 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
- Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Residues (petroleum), catalytic reformer fractionator, sulfonated, polymers with formaldehyde, sodium salts:

- Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

trisodium orthophosphate:

- Acute oral toxicity : LD50 (Rat, female): > 2,000 mg/kg
Method: OECD Test Guideline 420
- Acute inhalation toxicity : LC0 (Rat, male and female): > 0.83 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Remarks: Based on data from similar materials
no mortality
- Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402

SAFETY DATA SHEET



BRUSH-OFF®

Version 2.0 Revision Date: 21.02.2022 SDS Number: 50001047 Date of last issue: -
Date of first issue: 19.02.2019

Skin corrosion/irritation

Not classified based on available information.

Product:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
GLP : yes

Components:

metsulfuron-methyl (ISO):

Species : Rabbit
Result : No skin irritation

Residues (petroleum), catalytic reformer fractionator, sulfonated, polymers with formaldehyde, sodium salts:

Remarks : No data available

trisodium orthophosphate:

Species : Rabbit
Result : Skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Species : Rabbit
Method : OECD Test Guideline 405
Result : No eye irritation
GLP : yes
Remarks : Minimal effects that do not meet the threshold for classification.

Components:

metsulfuron-methyl (ISO):

Species : Rabbit
Result : No eye irritation

Residues (petroleum), catalytic reformer fractionator, sulfonated, polymers with formaldehyde, sodium salts:

Result : Eye irritation

trisodium orthophosphate:

Species : Rabbit
Result : Irritation to eyes, reversing within 21 days

BRUSH-OFF®

Version Revision Date: SDS Number: Date of last issue: -
2.0 21.02.2022 50001047 Date of first issue: 19.02.2019

Respiratory or skin sensitization**Skin sensitization**

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Product:

Test Type : Buehler Test
Species : Guinea pig
Method : US EPA Test Guideline OPPTS 870.2600
Result : Animal test did not cause sensitization by skin contact.
GLP : yes

Components:**metsulfuron-methyl (ISO):**

Routes of exposure : Skin contact
Species : Guinea pig
Result : Not a skin sensitizer.

trisodium orthophosphate:

Test Type : Local lymph node assay (LLNA)
Species : Mouse
Method : OECD Test Guideline 429
Result : Not a skin sensitizer.

Germ cell mutagenicity

Not classified based on available information.

Components:**metsulfuron-methyl (ISO):**

Germ cell mutagenicity- Assessment : Animal testing did not show any mutagenic effects.

trisodium orthophosphate:

Genotoxicity in vitro : Test Type: Micronucleus test
Test system: Human lymphocytes
Method: OECD Test Guideline 487
Result: negative

Test Type: gene mutation test
Test system: mouse lymphoma cells
Method: OECD Test Guideline 490
Result: negative

Germ cell mutagenicity- Assessment : In vitro tests did not show mutagenic effects

SAFETY DATA SHEET



BRUSH-OFF®

Version 2.0 Revision Date: 21.02.2022 SDS Number: 50001047 Date of last issue: -
Date of first issue: 19.02.2019

Carcinogenicity

Not classified based on available information.

Components:

metsulfuron-methyl (ISO):

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

trisodium orthophosphate:

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

Reproductive toxicity

Not classified based on available information.

Components:

metsulfuron-methyl (ISO):

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

trisodium orthophosphate:

Effects on fertility : Species: Rat, male and female
Application Route: Oral
Dose: 1000 mg/kg bw
General Toxicity Parent: NOAEL: 1,000 mg/kg body weight
Fertility: NOAEL: 1,000 mg/kg body weight
Method: OECD Test Guideline 422
Result: negative
Remarks: Based on data from similar materials

Effects on fetal development : Species: Rat
Application Route: Oral
Duration of Single Treatment: 20 d
General Toxicity Maternal: NOAEL: > 410 mg/kg body weight
Result: negative
Remarks: Based on data from similar materials

Species: Rat, male and female
Application Route: Oral
Dose: 1000 mg/kg bw/day
Duration of Single Treatment: 30 d
Developmental Toxicity: NOAEL: 1,000 mg/kg body weight
Method: OECD Test Guideline 422
Result: negative
Remarks: Based on data from similar materials

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

STOT-single exposure

Not classified based on available information.

SAFETY DATA SHEET



BRUSH-OFF®

Version 2.0 Revision Date: 21.02.2022 SDS Number: 50001047 Date of last issue: -
Date of first issue: 19.02.2019

Components:

trisodium orthophosphate:

Assessment : May cause respiratory irritation.

STOT-repeated exposure

Not classified based on available information.

Components:

metsulfuron-methyl (ISO):

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

trisodium orthophosphate:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Components:

metsulfuron-methyl (ISO):

Species : Rat
Application Route : Oral
Symptoms : Reduced body weight

Species : Rabbit
Application Route : Skin contact
Symptoms : Skin irritation

trisodium orthophosphate:

Species : Dog, male
NOAEL : 323 mg/kg
LOAEL : 1,107 mg/kg
Application Route : Oral
Exposure time : 90 d
Dose : 94, 323, 1107 mg/kg bw/day
Remarks : Based on data from similar materials

Species : Dog, female
NOAEL : 493 mg/kg
LOAEL : 1,434 mg/kg
Application Route : Oral
Exposure time : 90 d
Dose : 129, 493, 1434 mg/kg bw/day
Remarks : Based on data from similar materials

Aspiration toxicity

Not classified based on available information.

SAFETY DATA SHEET



BRUSH-OFF®

Version 2.0 Revision Date: 21.02.2022 SDS Number: 50001047 Date of last issue: -
Date of first issue: 19.02.2019

Further information

Product:

Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

metsulfuron-methyl (ISO):

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 150 mg/l
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 120 mg/l
Exposure time: 48 h
- Toxicity to algae/aquatic plants : EC50 (Lemna minor (duckweed)): 0.36 µg/l
Exposure time: 14 d
- EC50 (Anabaena flos-aquae (cyanobacterium)): 0.066 mg/l
Exposure time: 72 h
- IC50 (Selenastrum capricornutum (green algae)): 0.045 mg/l
Exposure time: 72 h
- M-Factor (Acute aquatic toxicity) : 1,000
- Toxicity to fish (Chronic toxicity) : NOEC: 68 mg/l
Exposure time: 21 d
Species: Salmo gairdneri
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC50: > 150 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
- M-Factor (Chronic aquatic toxicity) : 1,000
- Toxicity to soil dwelling organisms : LC50: > 1,000 mg/kg
Species: worms
- Toxicity to terrestrial organisms : LD50: > 25 µg/bee
Species: Apis mellifera (bees)
Remarks: Contact
- LD50: > 44.3 µg/bee
Species: Apis mellifera (bees)
Remarks: Oral
- LD50: > 2,510 mg/kg
Species: Anas platyrhynchos (Mallard duck)

BRUSH-OFF®

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	21.02.2022	50001047	Date of first issue: 19.02.2019

Residues (petroleum), catalytic reformer fractionator, sulfonated, polymers with formaldehyde, sodium salts:

- Toxicity to fish : LC50 (Zebra fish): > 10 - 100 mg/l
 Exposure time: 96 h
 Method: OECD Test Guideline 203
 Remarks: Based on data from similar materials
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
 Exposure time: 48 h
 Method: OECD Test Guideline 202
 Remarks: Based on data from similar materials
- Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l
 Exposure time: 72 h
 Method: OECD Test Guideline 201
 Remarks: Based on data from similar materials
- EC10 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l
 Exposure time: 72 h
 Method: OECD Test Guideline 201
 Remarks: Based on data from similar materials
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC10: > 10 - 100 mg/l
 Exposure time: 21 d
 Species: Daphnia magna (Water flea)
 Method: OECD Test Guideline 211
 Remarks: Based on data from similar materials

trisodium orthophosphate:

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l
 Exposure time: 96 h
 Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
 Exposure time: 48 h
 Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
 Exposure time: 72 h
 Method: OECD Test Guideline 201
 Remarks: Based on data from similar materials
- NOEC (Desmodesmus subspicatus (green algae)): > 100 mg/l
 Exposure time: 72 h
 Method: OECD Test Guideline 201
 Remarks: Based on data from similar materials
- Toxicity to microorganisms : EC50 (activated sludge): > 1,000 mg/l
 Exposure time: 3 h
 Method: OECD Test Guideline 209

BRUSH-OFF®

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	21.02.2022	50001047	Date of first issue: 19.02.2019

12.2 Persistence and degradability**Product:**

Biodegradability : Result: Not readily biodegradable.
Remarks: Estimation based on data obtained on active ingredient.

Components:**metsulfuron-methyl (ISO):**

Biodegradability : Result: Not readily biodegradable.
Remarks: According to the results of tests of biodegradability this product is not readily biodegradable.

Residues (petroleum), catalytic reformer fractionator, sulfonated, polymers with formaldehyde, sodium salts:

Biodegradability : Result: Not readily biodegradable.
Remarks: Based on data from similar materials

12.3 Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: Does not bioaccumulate.
Estimation based on data obtained on active ingredient.

Components:**metsulfuron-methyl (ISO):**

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)
Exposure time: 28 d
Bioconcentration factor (BCF): < 1
Remarks: Does not bioaccumulate.

Partition coefficient: n-octanol/water : log Pow: -1.7 (25 °C)
pH: 7

12.4 Mobility in soil**Product:**

Distribution among environmental compartments : Remarks: Under actual use conditions the product has a low potential of mobility in soil.

Components:**metsulfuron-methyl (ISO):**

Distribution among environmental compartments : Remarks: Under normal conditions the substance/mixture is mobile in soil.
The risk of leaching to ground water is very low for the parent substance, but for some degradation products the risk can be high in vulnerable groundwater situations.

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	21.02.2022	50001047	Date of first issue: 19.02.2019

12.5 Results of PBT and vPvB assessment

Product:

- Assessment : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).. This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).
- : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:

- Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
- Additional ecological information : No data is available on the product itself.
No other ecological effects to be specially mentioned.
See product label for additional application instructions relating to environmental precautions.
- An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Product : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.
- Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.
- Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

SAFETY DATA SHEET



BRUSH-OFF®

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	21.02.2022	50001047	Date of first issue: 19.02.2019

IMDG : UN 3077

IATA : UN 3077

14.2 UN proper shipping name

IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (metsulfuron-methyl)

IATA : Environmentally hazardous substance, solid, n.o.s. (metsulfuron-methyl)

14.3 Transport hazard class(es)

IMDG : 9

IATA : 9

14.4 Packing group

IMDG
Packing group : III
Labels : 9
EmS Code : F-A, S-F

IATA (Cargo)
Packing instruction (cargo aircraft) : 956
Packing instruction (LQ) : Y956
Packing group : III
Labels : Miscellaneous

IATA (Passenger)
Packing instruction (passenger aircraft) : 956
Packing instruction (LQ) : Y956
Packing group : III
Labels : Miscellaneous

14.5 Environmental hazards

IMDG
Marine pollutant : yes

IATA (Passenger)
Environmentally hazardous : yes

IATA (Cargo)
Environmentally hazardous : yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

BRUSH-OFF®

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	21.02.2022	50001047	Date of first issue: 19.02.2019

SECTION 15: Regulatory information

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

The ingredients of this product are reported in the following inventories:

TCSI	:	On the inventory, or in compliance with the inventory
TSCA	:	Product contains substance(s) not listed on TSCA inventory.
AIIC	:	Not in compliance with the inventory
DSL	:	This product contains the following components that are not on the Canadian DSL nor NDSL. METHYL 2-[[[4-METHOXY-6-METHYL-1,3,5-TRIAZIN-2-YL)CARBAMOYL]SULFAMOYL]BENZOATE
ENCS	:	Not in compliance with the inventory
ISHL	:	Not in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory
NZIoC	:	Not in compliance with the inventory
TECI	:	Not in compliance with the inventory

15.2 Chemical Safety Assessment

SECTION 16: Other information

Full text of H-Statements

H315	:	Causes skin irritation.
H319	:	Causes serious eye irritation.
H335	:	May cause respiratory irritation.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.
H412	:	Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Irrit.	:	Eye irritation
Skin Irrit.	:	Skin irritation
STOT SE	:	Specific target organ toxicity - single exposure
ZA OEL	:	South Africa. The Regulations for Hazardous Chemical Agents, Occupational Exposure Limits

SAFETY DATA SHEET



BRUSH-OFF®

Version 2.0 Revision Date: 21.02.2022 SDS Number: 50001047 Date of last issue: -
Date of first issue: 19.02.2019

ZA OEL / OEL-RL : Occupational Exposure Limit Restricted limit - 8- hour exposure or equivalent (12 hour shifts)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Other information :

Classification of the mixture:

Aquatic Acute 1 H400
Aquatic Chronic 1 H410

Classification procedure:

Calculation method
Calculation method

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SAFETY DATA SHEET



BRUSH-OFF®

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	21.02.2022	50001047	Date of first issue: 19.02.2019

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