

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

---

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

#### 1.1 Product identifier

**Product name** GAJUS®

**Other means of identification**

**Product code** 50001297

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

Use of the Sub-  
stance/Mixture : Herbicide

Recommended restrictions : Use as recommended by the label.  
on use

#### 1.3 Details of the supplier of the safety data sheet

**Supplier Address**

FMC Agro Limited  
Rectors Lane, Pentre  
Flintshire  
CH5 2DH  
United Kingdom

Telephone: + 44 1244 537370  
E-mail address: SDS-Info@fmc.com .

#### 1.4 Emergency telephone number

For leak, fire, spill or accident emergencies, call:  
England and Wales: 44-870-8200418 (CHEMTREC)

Medical emergency:  
England and Wales: 111  
Scotland: 84 54 24 2424

---

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK  
SI 2019/720, and UK SI 2020/1567)**

Aspiration hazard, Category 1

H304: May be fatal if swallowed and enters air-  
ways.

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version 1.1	Revision Date: 19.07.2023	SDS Number: 50001297	Date of last issue: - Date of first issue: 22.04.2019
----------------	------------------------------	-------------------------	--

Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Short-term (acute) aquatic hazard, Category 1	H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Category 1	H410: Very toxic to aquatic life with long lasting effects.

## 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Hazard pictograms :



Signal word : Danger

Hazard statements :  
H304 May be fatal if swallowed and enters airways.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements :  
**Prevention:**  
P261 Avoid breathing mist or vapours.  
P280 Wear protective gloves/ eye protection/ face protection.  
**Response:**  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P331 Do NOT induce vomiting.  
**Disposal:**  
P501 Dispose of contents/container in accordance with local regulation.

Hazardous components which must be listed on the label:  
Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version 1.1      Revision Date: 19.07.2023      SDS Number: 50001297      Date of last issue: -  
Date of first issue: 22.04.2019

pethoxamide (ISO)

### Additional Labelling

EUH066      Repeated exposure may cause skin dryness or cracking.  
EUH401      To avoid risks to human health and the environment, comply with the instructions for use.

### 2.3 Other hazards

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)
Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified	64742-94-5 265-198-5 649-424-00-3	Asp. Tox. 1; H304 STOT SE 3; H336 Aquatic Chronic 2; H411 EUH066	>= 30 - < 50
Picloram	1918-02-1 217-636-1	Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 10	>= 0.5 - < 2
pethoxamide (ISO)	106700-29-2 616-145-00-3	Acute Tox. 4; H302 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100	>= 30 - < 50
Tristyrylphenol ethoxylates	99734-09-5	Aquatic Chronic 3; H412	>= 2.5 - < 10
Benzenesulfonic acid, 4-C10-13-sec-	84989-14-0	Acute Tox. 4; H302	>= 1 - < 2.5

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

alkyl derivs., calcium salts	284-903-7	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 2; H411	
------------------------------	-----------	---	--

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.<br>Show this safety data sheet to the doctor in attendance.<br>Symptoms of poisoning may appear several hours later.<br>Do not leave the victim unattended.  |
| If inhaled              | : Remove to fresh air.<br>Consult a physician after significant exposure.<br>If unconscious, place in recovery position and seek medical advice.   |
| In case of skin contact | : If on clothes, remove clothes.<br>If on skin, rinse well with water.<br>Wash off with soap and plenty of water.<br>Get medical attention immediately if irritation develops and persists.  |
| In case of eye contact  | : Immediately flush eye(s) with plenty of water.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist.  |
| If swallowed            | : Clean mouth with water and drink afterwards plenty of water.<br>Keep respiratory tract clear.<br>Do NOT induce vomiting.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.<br>Take victim immediately to hospital. |

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

- |       |  |
|-------|--|
| Risks | : The product contains petroleum distillates, which may pose an aspiration pneumonia hazard.<br><br>May be fatal if swallowed and enters airways.<br>May cause an allergic skin reaction.<br>Causes serious eye irritation.<br>May cause drowsiness or dizziness.<br>Repeated exposure may cause skin dryness or cracking. |
|-------|--|

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

### 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, CO<sub>2</sub>, water spray or regular foam.

Unsuitable extinguishing media : High volume water jet

### 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 : Thermal decomposition can lead to release of irritating gases and vapours.  
Hazardous combustion products  
Carbon oxides  
Sulphur oxides  
Nitrogen oxides (NO<sub>x</sub>)  
Chlorine compounds

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : 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.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
If it can be safely done, stop the leak.  
Keep people away from and upwind of spill/leak.  
Remove all sources of ignition.  
Immediately evacuate personnel to safe areas.  
Ensure adequate ventilation.  
Never return spills in original containers for re-use.  
Mark the contaminated area with signs and prevent access to unauthorized personnel.  
Only qualified personnel equipped with suitable protective

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

---

equipment may intervene.

### 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 : Neutralize with chalk, alkali solution or ammonia.  
Contain spillage, and then collect with non-combustible ab-  
sorbent material, (e.g. sand, earth, diatomaceous earth, ver-  
miculite) and place in container for disposal according to local  
/ national regulations (see section 13).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

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

---

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the ap-  
plication area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national  
regulations.  
Persons susceptible to skin sensitisation problems or asthma,  
allergies, chronic or recurrent respiratory disease should not  
be employed in any process in which this mixture is being  
used.

Advice on protection against : Do not spray on a naked flame or any incandescent material.  
fire and explosion Keep away from open flames, hot surfaces and sources of  
ignition.

Hygiene measures : When using do not eat or drink. When using do not smoke.  
Wash hands before breaks and at the end of workday.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage : No smoking. Keep container tightly closed in a dry and well-  
areas and containers ventilated place. Containers which are opened must be care-  
fully resealed and kept upright to prevent leakage. Observe

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version 1.1	Revision Date: 19.07.2023	SDS Number: 50001297	Date of last issue: - Date of first issue: 22.04.2019
----------------	------------------------------	-------------------------	--

label precautions. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : The product is stable under normal conditions of warehouse storage. Protect from frost and extreme heat. Store in closed, labelled containers. The storage room should be constructed of incombustible material, closed, dry, ventilated and with impermeable floor, without access of unauthorised persons or children. A warning sign reading "POISON" is recommended. The room should only be used for storage of chemicals. Food, drink, feed and seed should not be present. A hand wash station should be available.

Advice on common storage : Do not store near acids.

Recommended storage temperature : > 0 - < 30 °C

Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : Registered pesticide to be used in accordance with a label approved by country-specific regulatory authorities.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Hand protection  
Material : Wear chemical resistant gloves, such as barrier laminate, butyl rubber or nitrile rubber.

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : In case of mist, spray or aerosol exposure wear suitable per-

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version 1.1	Revision Date: 19.07.2023	SDS Number: 50001297	Date of last issue: - Date of first issue: 22.04.2019
----------------	------------------------------	-------------------------	--

sonal respiratory protection and protective suit.

Protective measures : Plan first aid action before beginning work with this product. Always have on hand a first-aid kit, together with proper instructions.  
Wear suitable protective equipment.  
When using do not eat, drink or smoke.

In the context of professional plant protection use as recommended, the end user must refer to the label and the instructions for use.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	: liquid
Colour	: brown
Odour	: aromatic
pH	: 3.46 (20 °C) Concentration: 1 % In a 1% aqueous dispersion
Melting point/freezing point	: not determined
Boiling point/boiling range	: not determined
Flash point	: 64 °C Method: Pensky-Martens closed cup - PMCC
Upper explosion limit / Upper flammability limit	: not determined
Lower explosion limit / Lower flammability limit	: not determined
Vapour pressure	: Not available for this mixture.
Relative vapour density	: 1
Relative density	: 1.0031 (20 °C)
Solubility(ies) Water solubility	: emulsifiable
Partition coefficient: n-octanol/water	: Not available for this mixture.



# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

Decomposition temperature : not determined

Viscosity  
Viscosity, kinematic : 7.42 mm<sup>2</sup>/s (20 °C)  
3.99 mm<sup>2</sup>/s (40 °C)

### 9.2 Other information

Flammability (liquids) : ignitable

Self-ignition : 300 °C

## 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.

Vapours may form explosive mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.  
Protect from frost, heat and sunlight.

### 10.5 Incompatible materials

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

### 10.6 Hazardous decomposition products

Stable under recommended storage conditions.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

---

Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

### Components:

#### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 401  
Remarks: Based on data from similar materials

Acute inhalation toxicity : LC50 (Rat): > 4.688 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

#### **Picloram:**

Acute oral toxicity : LD50 (Rat, male): > 5,000 mg/kg  
LD50 (Rat, female): 4,012 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 0.035 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: Highest attainable concentration.

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

#### **pethoxamide (ISO):**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 425  
Assessment: The component/mixture is minimally toxic after single ingestion.

Acute inhalation toxicity : LC50 (Rat): > 5.33 mg/l  
Exposure time: 4 h

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: no mortality

Acute dermal toxicity : LD50 (Rat): > 4,000 mg/kg  
Method: OECD Test Guideline 402  
Remarks: no mortality

### Tristyrylphenol ethoxylates:

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 401  
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

### Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Acute oral toxicity : LD50 (Rat, male and female): 1,080 - 1,630 mg/kg  
Method: OECD Test Guideline 401  
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Remarks: Based on data from similar materials

### Skin corrosion/irritation

Repeated exposure may cause skin dryness or cracking.

#### Product:

Assessment : Not classified as irritant  
Result : slight or no skin irritation.

Remarks : May cause skin irritation and/or dermatitis.

#### Components:

##### Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:

Species : Rabbit  
Assessment : Repeated exposure may cause skin dryness or cracking.  
Result : No skin irritation  
Remarks : Minimal effects that do not meet the threshold for classification.  
Based on data from similar materials

##### Picloram:

Species : Rabbit

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

---

Result : No skin irritation

### **pethoxamide (ISO):**

Species : Rabbit  
Assessment : No skin irritation  
Method : OPPTS 870.2500  
Result : No skin irritation

### **Tristyrylphenol ethoxylates:**

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

### **Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:**

Species : reconstructed human epidermis (RhE)  
Method : OECD Test Guideline 439  
Result : Skin irritation

### **Serious eye damage/eye irritation**

Causes serious eye irritation.

### **Product:**

Result : Eye irritation

Remarks : May cause irreversible eye damage.

### **Components:**

#### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Species : Rabbit  
Assessment : No eye irritation  
Remarks : Minimal effects that do not meet the threshold for classification.  
Based on data from similar materials

#### **Picloram:**

Species : Rabbit  
Result : No eye irritation  
Remarks : May cause mild irritation.  
Minimal effects that do not meet the threshold for classification.

### **pethoxamide (ISO):**

Species : Rabbit  
Assessment : No eye irritation  
Method : US EPA Test Guideline OPPTS 870.2400  
Result : No eye irritation

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

---

### Tristyrylphenol ethoxylates:

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	No eye irritation

### Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Species	:	Bovine cornea
Method	:	OECD Test Guideline 437
Result	:	Irreversible effects on the eye

### Respiratory or skin sensitisation

#### Skin sensitisation

May cause an allergic skin reaction.

#### Respiratory sensitisation

Not classified based on available information.

#### Product:

Assessment	:	Skin sensitisation
Result	:	May cause sensitisation by skin contact.
Remarks	:	Causes sensitisation.

#### Components:

#### Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:

Test Type	:	Maximisation Test
Species	:	Guinea pig
Result	:	Not a skin sensitizer.
Remarks	:	Based on data from similar materials

#### Picloram:

Test Type	:	Buehler Test
Species	:	Guinea pig
Result	:	Not a skin sensitizer.

#### pethoxamide (ISO):

Exposure routes	:	Dermal
Species	:	Guinea pig
Method	:	US EPA Test Guideline OPPTS 870.2600
Result	:	May cause sensitisation by skin contact.

Assessment	:	Harmful if swallowed. May cause an allergic skin reaction.
------------	---	---

#### Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Test Type	:	Maximisation Test
Species	:	Guinea pig

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

Method	:	OECD Test Guideline 406
Result	:	Does not cause skin sensitisation.
Remarks	:	Based on data from similar materials

### Germ cell mutagenicity

Not classified based on available information.

#### Product:

Germ cell mutagenicity- Assessment : Contains no ingredient listed as a mutagen

#### Components:

##### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Genotoxicity in vitro : Test Type: reverse mutation assay  
Method: OECD Test Guideline 471  
Result: negative  
Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Bone marrow chromosome aberration  
Species: Rat  
Application Route: inhalation (vapour)  
Result: negative

##### **pethoxamide (ISO):**

Genotoxicity in vitro : Test Type: Ames test  
Method: OECD Test Guideline 471  
Result: negative  
  
Test Type: Mouse lymphoma assay  
Metabolic activation: with and without metabolic activation  
Result: negative

Test Type: Chromosome aberration test in vitro  
Test system: Human lymphocytes  
Metabolic activation: with and without metabolic activation  
Result: positive

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse  
Result: negative

Test Type: In Vivo Rat Liver DNA Repair Test  
Species: Rat  
Application Route: Oral  
Result: negative

##### **Tristyrylphenol ethoxylates:**

Genotoxicity in vitro : Test Type: reverse mutation assay  
Method: OECD Test Guideline 471

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

---

Result: negative

Genotoxicity in vivo : Remarks: No data available

### **Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:**

Genotoxicity in vitro : Test Type: reverse mutation assay  
Result: negative  
Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Bone marrow chromosome aberration  
Species: Mouse  
Application Route: Oral  
Method: OECD Test Guideline 475  
Result: negative  
Remarks: Based on data from similar materials

Germ cell mutagenicity- Assessment : Weight of evidence does not support classification as a germ cell mutagen.

### **Carcinogenicity**

Not classified based on available information.

### **Product:**

Carcinogenicity - Assessment : Contains no ingredient listed as a carcinogen

### **Components:**

#### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Species : Rat, male and female  
Application Route : inhalation (vapour)  
Exposure time : 12 month(s)  
NOAEC : 1.8 mg/l  
Result : negative  
Remarks : Based on data from similar materials

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

#### **Picloram:**

Species : Rat  
Exposure time : 2 Years  
NOAEL : 60 mg/kg bw/day  
Result : negative

#### **pethoxamide (ISO):**

Species : Rat  
Application Route : Oral  
Exposure time : 2 Years  
LOAEL : 17 mg/kg bw/day

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version 1.1	Revision Date: 19.07.2023	SDS Number: 50001297	Date of last issue: - Date of first issue: 22.04.2019
----------------	------------------------------	-------------------------	--

Result : negative

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

### Reproductive toxicity

Not classified based on available information.

#### Product:

Reproductive toxicity - Assessment : Contains no ingredient listed as toxic to reproduction

#### Components:

##### **Picloram:**

Effects on fertility : Test Type: Two-generation study  
Species: Rat  
General Toxicity - Parent: NOAEL: 200 mg/kg bw/day  
Fertility: NOAEL: 1,000 mg/kg bw/day  
Result: negative

Effects on foetal development : Test Type: Pre-natal  
Species: Rat  
Developmental Toxicity: NOAEL: 560 mg/kg bw/day  
Symptoms: Maternal effects

##### **pethoxamide (ISO):**

Effects on fertility : Test Type: Two-generation study  
Species: Rat  
General Toxicity - Parent: NOAEL: 14 mg/kg bw/day  
Fertility: NOAEL: 112 mg/kg bw/day  
Result: negative

Effects on foetal development : Test Type: Developmental toxicity study  
Species: Rat, female  
Application Route: Oral  
General Toxicity Maternal: NOAEL: 75 mg/kg bw/day  
Developmental Toxicity: NOAEL: 75 mg/kg bw/day  
Symptoms: Maternal effects  
Result: negative

Test Type: Developmental toxicity study  
Species: Rabbit, female  
Application Route: Oral  
General Toxicity Maternal: NOAEL: 50 mg/kg bw/day  
Developmental Toxicity: NOEL: 50 mg/kg bw/day  
Symptoms: Maternal effects  
Result: negative

Reproductive toxicity - Assessment : Animal testing showed no reproductive toxicity.



# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

---

### Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Effects on fertility	: Test Type: Two-generation study General Toxicity - Parent: NOAEL: > 350 mg/kg body weight General Toxicity F1: NOAEL: > 350 mg/kg body weight Method: OECD Test Guideline 416 Result: negative Remarks: Based on data from similar materials
Effects on foetal development	: Test Type: reproductive and developmental toxicity study Species: Rat Developmental Toxicity: NOAEL: > 350 mg/kg body weight 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

May cause drowsiness or dizziness.

#### Product:

Assessment	: May cause drowsiness or dizziness.
------------	--------------------------------------

#### Components:

##### pethoxamide (ISO):

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

### STOT - repeated exposure

Not classified based on available information.

#### Product:

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

#### Components:

##### pethoxamide (ISO):

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

### Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

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

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

---

### Repeated dose toxicity

#### Components:

##### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Species	: Rat, male and female
NOAEC	: 0.9 - 1.8 mg/l
Application Route	: inhalation (vapour)
Exposure time	: 12 months

##### **Picloram:**

Species	: Rat
NOAEL	: 300 mg/kg
Application Route	: Oral
Exposure time	: 90 days
Remarks	: No significant adverse effects were reported

##### **pethoxamide (ISO):**

Species	: Rat
LOAEL	: 36.2 mg/kg bw/day
Application Route	: Oral - feed
Exposure time	: 90 days
Method	: OECD Test Guideline 408
Remarks	: Effects are of limited toxicological significance.

##### **Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:**

Species	: Rat, male and female
NOAEL	: 85 mg/kg
LOAEL	: 145 mg/kg
Application Route	: Oral
Exposure time	: 9 mo
Target Organs	: Kidney, Liver
Remarks	: Based on data from similar materials

### Aspiration toxicity

May be fatal if swallowed and enters airways.

#### Product:

May be fatal if swallowed and enters airways.

#### Components:

##### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

May be fatal if swallowed and enters airways.

##### **Picloram:**

No aspiration toxicity classification

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

### **pethoxamide (ISO):**

No aspiration toxicity classification

### **Experience with human exposure**

#### **Components:**

#### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Skin contact : Symptoms: Repeated exposure may cause skin dryness or cracking.

### **Neurological effects**

#### **Components:**

#### **pethoxamide (ISO):**

No neurotoxicity observed in animal studies

### **Further information**

#### **Product:**

Remarks : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.  
Concentrations substantially above the TLV value may cause narcotic effects.  
Solvents may degrease the skin.

#### **Components:**

#### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Remarks : Vapour concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects. Prolonged and/or repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

#### **Product:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 11.2 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : LC50 (Daphnia magna (Water flea)): 17 mg/l  
aquatic invertebrates Exposure time: 48 h

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

---

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 32.5 mg/l  
Exposure time: 72 h

EC50 (Lemna gibba (duckweed)): 26.7 µg/l  
Exposure time: 7 d

NOEC (Lemna gibba (duckweed)): 0.32 µg/l  
Exposure time: 7 d

Toxicity to soil dwelling organisms : NOEC: 80 mg/kg  
Exposure time: 56 d  
Species: Eisenia fetida (earthworms)

### Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

### Components:

#### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 2 - 5 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 1.4 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EL50 (Pseudokirchneriella subcapitata (green algae)): 1 - 3 mg/l  
Exposure time: 24 h  
Method: OECD Test Guideline 201

Toxicity to microorganisms : LL50 (Tetrahymena pyriformis): 677.9 mg/l  
Exposure time: 72 h  
Test Type: Growth inhibition

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EL50: 0.89 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211

#### **Picloram:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 8.8 mg/l  
Exposure time: 96 h  
Test Type: static test

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 44.2 mg/l

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

aquatic invertebrates	Exposure time: 48 h
Toxicity to algae/aquatic plants	: EC50 (Pseudokirchneriella subcapitata (green algae)): > 78.7 mg/l End point: Growth rate Exposure time: 72 h  EC50 (Lemna gibba (duckweed)): 102 mg/l Exposure time: 14 d Test Type: Growth inhibition  ErC50 (Myriophyllum spicatum): 0.558 mg/l Exposure time: 14 d  NOEC (Myriophyllum spicatum): 0.0095 mg/l Exposure time: 14 d
M-Factor (Acute aquatic toxicity)	: 1
Toxicity to microorganisms	: EC50 (activated sludge): > 100 mg/l Exposure time: 3 h
Toxicity to fish (Chronic toxicity)	: NOEC: 0.55 mg/l Exposure time: 70 d Species: Oncorhynchus mykiss (rainbow trout) Test Type: flow-through test
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: 6.79 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Test Type: static test  LOEC: 13.5 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Test Type: static test
M-Factor (Chronic aquatic toxicity)	: 10
Toxicity to soil dwelling organisms	: LC50: > 5,000 mg/kg Exposure time: 14 d Species: Eisenia fetida (earthworms)
Toxicity to terrestrial organisms	: LD50: > 1,944 mg/kg Species: Anas platyrhynchos (Mallard duck)  LD50: > 74 µg/bee End point: Acute oral toxicity Species: Apis mellifera (bees)  LD50: > 100 µg/bee

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

---

End point: Acute contact toxicity  
Species: Apis mellifera (bees)

### Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.  
Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

### pethoxamide (ISO):

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2.2 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

NOEC (Oncorhynchus mykiss (rainbow trout)): 1.7 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

LC50 (Lepomis macrochirus (Bluegill sunfish)): 6.6 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 20 - 25 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
GLP: yes

NOEC (Daphnia magna (Water flea)): 17 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
GLP: yes

Toxicity to algae/aquatic plants : EC50 (Selenastrum capricornutum (green algae)): 0.00195 mg/l  
Exposure time: 72 h

EbC50 (Lemna minor (duckweed)): 0.0079 mg/l  
Exposure time: 14 d  
GLP: yes

ErC50 (Lemna minor (duckweed)): 0.018 mg/l  
Exposure time: 14 d  
GLP: yes

ErC50 (Pseudokirchneriella subcapitata (green algae)): 0.004 mg/l  
Exposure time: 120 h  
Test Type: static test

NOEC (Pseudokirchneriella subcapitata (green algae)): 0.0012 mg/l  
Exposure time: 120 h  
Test Type: static test

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

M-Factor (Acute aquatic toxicity) : 100

Toxicity to microorganisms : EC50 (Anabaena flos-aquae (cyanobacterium)): 9.4 mg/l  
Exposure time: 96 h

Toxicity to fish (Chronic toxicity) : NOEC: 1.1 mg/l  
Exposure time: 28 d  
Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 2.8 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)

M-Factor (Chronic aquatic toxicity) : 100

Toxicity to soil dwelling organisms : LC50: 527 mg/kg  
Exposure time: 14 d  
Species: Eisenia fetida (earthworms)

Method: OECD Test Guideline 216  
Remarks: No significant adverse effect on nitrogen mineralization.

Method: OECD Test Guideline 217  
Remarks: No significant adverse effect on carbon mineralization.

Toxicity to terrestrial organisms : LD50: 84.4 -120.5  
End point: Acute oral toxicity  
Species: Apis mellifera (bees)

LD50: > 200 µg/bee  
End point: Acute contact toxicity  
Species: Apis mellifera (bees)

LD50: ca. 1,500 - 2,100 mg/kg  
Species: Colinus virginianus (Bobwhite quail)  
Method: EPA OPP 71-1

### Tristyrylphenol ethoxylates:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): 21 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to microorganisms :  
Remarks: No data available

### Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

Toxicity to fish	: LC50 (Fish): 1.7 - 7.7 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	: EL50 (Daphnia magna (Water flea)): 5.7 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remarks: water accommodated fractions (WAF)
Toxicity to algae/aquatic plants	: NOELR (Pseudokirchneriella subcapitata (green algae)): 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: water accommodated fractions (WAF)  EL50 (Pseudokirchneriella subcapitata (algae)): > 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: water accommodated fractions (WAF)
Toxicity to microorganisms	: EC50 (activated sludge): 162 mg/l Exposure time: 3 h Method: OECD Test Guideline 209

## 12.2 Persistence and degradability

### Product:

Biodegradability	: Remarks: No data is available on the product itself. Product contains minor amounts of not readily biodegradable components, which may not be degradable in waste water treatment plants.
------------------	--

### Components:

#### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Biodegradability	: Result: Readily biodegradable. Biodegradation: 58.6 % Exposure time: 28 d Method: OECD Test Guideline 301F Remarks: Based on data from similar materials
------------------	--

#### **Picloram:**

Biodegradability	: Result: Not readily biodegradable. Biodegradation: 1.95 % Exposure time: 28 d Method: OECD Test Guideline 301
------------------	--

Stability in water	: Degradation half life (DT50): > 1.8 yr (45 °C) pH: 5 - 9
--------------------	---



# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

### **pethoxamide (ISO):**

Biodegradability : Remarks: Not readily biodegradable.

### **Tristyrylphenol ethoxylates:**

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 8 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301

### **Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:**

Biodegradability : Result: Readily biodegradable.  
Method: OECD Test Guideline 301F

## 12.3 Bioaccumulative potential

### **Product:**

Bioaccumulation : Remarks: No data is available on the product itself.

### **Components:**

#### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Bioaccumulation : Remarks: The product/substance has a potential to bioaccumulate.

Partition coefficient: n-octanol/water : log Pow: 3.72  
Method: QSAR

#### **Picloram:**

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)  
Bioconcentration factor (BCF): 0.54  
Remarks: Low potential for bioaccumulation

Partition coefficient: n-octanol/water : log Pow: -1.05 (20 °C)  
pH: 5

log Pow: -1.92 (20 °C)  
pH: 7

log Pow: -2.09 (20 °C)  
pH: 10

### **pethoxamide (ISO):**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: 2.96 (20 °C)  
pH: 5

### **Tristyrylphenol ethoxylates:**

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

Partition coefficient: n-octanol/water : Remarks: No data available

### **Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:**

Partition coefficient: n-octanol/water : log Pow: 4.3 - 5.8 (25 °C)  
pH: 7  
Method: OECD Test Guideline 117

## 12.4 Mobility in soil

### **Product:**

Distribution among environmental compartments : Remarks: No data is available on the product itself.

### **Components:**

#### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Distribution among environmental compartments : Remarks: Expected to partition to sediment and wastewater solids. Moderately volatile.

#### **Picloram:**

Distribution among environmental compartments : Koc: 35  
Remarks: Highly mobile in soils

#### **pethoxamide (ISO):**

Distribution among environmental compartments : Remarks: Moderately mobile in soils

Stability in soil :

## 12.5 Results of PBT and vPvB assessment

### **Product:**

Assessment : 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 : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

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.<br>Do not contaminate ponds, waterways or ditches with chemical or used container.<br>Send to a licensed waste management company.                                    |
| Contaminated packaging | : Empty remaining contents.<br>Do not re-use empty containers.<br>Packaging that is not properly emptied must be disposed of as the unused product.<br>Empty containers should be taken to an approved waste handling site for recycling or disposal. |

### SECTION 14: Transport information

#### 14.1 UN number

- |      |           |
|------|-----------|
| ADN  | : UN 3082 |
| ADR  | : UN 3082 |
| RID  | : UN 3082 |
| IMDG | : UN 3082 |
| IATA | : UN 3082 |

#### 14.2 UN proper shipping name

- |      |  |
|------|--|
| ADN  | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Pethoxamide, ALKYL(C3-C5)BENZENES) |
| ADR  | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Pethoxamide, ALKYL(C3-C5)BENZENES) |
| RID  | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Pethoxamide, ALKYL(C3-C5)BENZENES) |
| IMDG | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Pethoxamide, ALKYL(C3-C5)BENZENES) |
| IATA | : Environmentally hazardous substance, liquid, n.o.s.<br>(Pethoxamide, ALKYL(C3-C5)BENZENES) |

#### 14.3 Transport hazard class(es)

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

---

<b>ADN</b>	:	9
<b>ADR</b>	:	9
<b>RID</b>	:	9
<b>IMDG</b>	:	9
<b>IATA</b>	:	9

### 14.4 Packing group

<b>ADN</b>	
Packing group	: III
Classification Code	: M6
Hazard Identification Number	: 90
Labels	: 9

<b>ADR</b>	
Packing group	: III
Classification Code	: M6
Hazard Identification Number	: 90
Labels	: 9
Tunnel restriction code	: (-)

<b>RID</b>	
Packing group	: III
Classification Code	: M6
Hazard Identification Number	: 90
Labels	: 9

<b>IMDG</b>	
Packing group	: III
Labels	: 9
EmS Code	: F-A, S-F

<b>IATA (Cargo)</b>	
Packing instruction (cargo aircraft)	: 964
Packing instruction (LQ)	: Y964
Packing group	: III
Labels	: Miscellaneous

<b>IATA (Passenger)</b>	
Packing instruction (passenger aircraft)	: 964
Packing instruction (LQ)	: Y964
Packing group	: III
Labels	: Miscellaneous

### 14.5 Environmental hazards

<b>ADN</b>	
Environmentally hazardous	: yes

<b>ADR</b>	
Environmentally hazardous	: yes

**RID**

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

Environmentally hazardous : yes

### 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.

## SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable

#### The components of this product are reported in the following inventories:

TCSI : Not 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.

2-CHLORO-N-(2-ETHOXYETHYL)-N-(2-METHYL-1-PHENYLPROP-1-ENYL)ACETAMIDE  
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts  
Picloram

ENCS : Not in compliance with the inventory

ISHL : Not in compliance with the inventory

KECI : Not in compliance with the inventory

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

PICCS	:	Not in compliance with the inventory
IECSC	:	Not in compliance with the inventory
NZIoC	:	Not in compliance with the inventory
TECI	:	Not in compliance with the inventory

### 15.2 Chemical safety assessment

A chemical safety assessment is not required for this product (mixture).

## SECTION 16: Other information

### Full text of H-Statements

H302	:	Harmful if swallowed.
H304	:	May be fatal if swallowed and enters airways.
H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H318	:	Causes serious eye damage.
H336	:	May cause drowsiness or dizziness.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.
H411	:	Toxic to aquatic life with long lasting effects.
H412	:	Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Asp. Tox.	:	Aspiration hazard
Eye Dam.	:	Serious eye damage
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitisation
STOT SE	:	Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - 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 popula-

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## GAJUS®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	19.07.2023	50001297	Date of first issue: 22.04.2019

tion; 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:

Asp. Tox. 1	H304
Skin Sens. 1	H317
Eye Irrit. 2	H319
STOT SE 3	H336
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

### Classification procedure:

Based on product data or assessment
Based on product data or assessment
Based on product data or assessment
Based on product data or assessment
Based on product data or assessment
Based on product data or assessment

### Disclaimer

FMC Corporation believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. You can contact FMC Corporation to ensure that this document is the most current available from FMC Corporation. No warranty of fitness for any particular purpose, warranty of merchantability or any other warranty, expressed or implied, is made concerning the information provided herein. The information provided herein relates only to the specified product designated and may not be applicable where such product is used in combination with any other materials or in any process. The user is responsible for determining whether the product is fit for a particular purpose and suitable for the user's conditions and methods of use. Since the conditions and methods of use are beyond the control of FMC Corporation, FMC Corporation expressly disclaims any and all liability as to any results obtained or arising from any use of the products or reliance on such information.

### Prepared by

FMC Corporation

FMC and the FMC Logo are trademarks of FMC Corporation and/or an affiliate.

© 2021-2023 FMC Corporation. All Rights Reserved.

GB / 6N