

JADEx PLUS

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 12/15/2015

Revision date:

Supersedes:

Version: 1.0

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

1.1. Product identifier

Name : JADEx PLUS

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Phytosanitary

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Société Financière de Pontarlier
Villa Celony - 1175 Montée d'Avignon
13090 AIX EN PROVENCE - FRANCE
T +33 (0)4 42 52 72 12 - F +33 (0)4 42 52 68 52
contact@sfprd.fr

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital, Guy's & St Thomas' Hospital Trust	Dudley Road B18 7QH Birmingham	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Met. Corr. 1 H290

Acute Tox. 4 (Oral) H302

Full text of hazard classes and H-statements : see section 16

Classification according to Regulation (EC) No 1107/2009 of the European Parliament and of the Council of 21 October 2009 concerning the placing of plant protection products on the market and repealing Council Directives 79/117/EEC and 91/414/EEC (United Kingdom)

Met. Corr. 1 H290

Acute Tox. 4 (Oral) H302

Acute Tox. 4 (Dermal) H312

Registration no.: 17524

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects

Harmful if swallowed. May be corrosive to metals.

2.2. Label elements

Labelling according to Regulation (EC) No 1107/2009 of the European Parliament and of the Council of 21 October 2009 concerning the placing of plant protection products on the market and repealing Council Directives 79/117/EEC and 91/414/EEC (United Kingdom)

Hazard pictograms (CLP) :



GHS05

GHS07

Signal word (CLP) :

Warning

Hazardous ingredients :

Chlormequat chloride (ISO)

Hazard statements (CLP) :

H290 - May be corrosive to metals
H302+H312 - Harmful if swallowed or in contact with skin

Precautionary statements (CLP) :

P280 - Wear eye protection, protective clothing, protective gloves, face protection
P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P390 - Absorb spillage to prevent material damage

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P501 - Dispose of contents/container to an approved waste disposal plant
EUH-statements : EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

2.3. Other hazards

Other hazards not contributing to the classification : None, to our knowledge.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Chloromequat chloride (ISO)	(CAS No) 999-81-5 (EC no) 213-666-4 (EC index no) 007-003-00-6	<= 70	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical advice and attention if you feel unwell.
First-aid measures after skin contact : Remove all contaminated clothing and footwear. Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Consult an ophthalmologist if irritation persists.
First-aid measures after ingestion : Rinse mouth out with water. Immediately consult a doctor/medical service.

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

No additional information available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Powder. Carbon dioxide (CO₂). Water spray. Alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Presents no particular fire or explosion hazard.

5.3. Advice for firefighters

Firefighting instructions : Isolate fire area. Evacuate downwind. Do not breathe fumes. Contain the extinguishing fluids by bunding. Use water spray or fog for cooling exposed containers.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Clear the danger area. Avoid contact with skin and eyes. Do not attempt to take action without suitable protective equipment.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Do not discharge into drains or rivers. Contain the spilled material by bunding.

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6.3. Methods and material for containment and cleaning up

For containment	: Liquid spill: take up in sand, earth, vermiculite.
Methods for cleaning up	: Cautiously neutralize remainder. Wash contaminated area with large amounts of water.
Other information	: Dispose of contaminated materials in accordance with current regulations.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe vapours.
Hygiene measures	: Always wash hands after handling the product. Do not drink, eat or smoke in the workplace. If on skin, take off contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in a cool, well-ventilated place. Keep container tightly closed.
Incompatible materials	: Metals.
Packaging materials	: Original packaging.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Hand protection	: Impermeable protective gloves. The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN 374. Breakthrough time : refer to the recommendations of the supplier
Eye protection	: Safety glasses
Skin and body protection	: Protective clothing (with elasticated cuffs and closed neck)
Respiratory protection	: Filtering respiratory protective device with a pesticide canister

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Cream.
Odour	: odourless.
Odour threshold	: Not determined
pH	: No data available
pH solution	: 7.1 (1% Dilution)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not determined
Freezing point	: No data available
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: > 410 °C
Decomposition temperature	: Not determined
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: Not determined
Relative density	: No data available
Density	: 1.14 g/ml
Solubility	: Water: completely miscible
Log Pow	: Not determined

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Viscosity, kinematic	: 6300 mm ² /s (40 °C)
Viscosity, dynamic	: 7.2 mPa.s (40 °C)
Explosive properties	: Not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

May be corrosive to metals.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

None to our knowledge.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Metals.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful if swallowed.

JADEX PLUS	
LD50 oral rat	534 mg/kg
LD50 dermal rat	> 4540 mg/kg
LC50 inhalation rat	> 2.51 mg/l

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)

Additional information : Not irritating to rabbits on cutaneous application

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)

Additional information : Not irritating to rabbits on ocular application

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Additional information : Does not cause cutaneous sensitisation for guinea-pigs

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure) : Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (repeated exposure) : Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

JADEX PLUS	
Viscosity, kinematic	6300 mm ² /s (40 °C)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : To our knowledge, the product does not present any particular risk, under normal conditions of use.

JADEX PLUS	
LC50 fish	3390 mg/l/96h (Oncorhynchus mykiss)
EC50 Daphnia	51.1 mg/l/48h (Daphnia magna)
ErC50 (algae)	67.1 mg/l/72h (Pseudokirchneriella subcapitata)
ErC50 (other aquatic plants)	9.2 mg/l (Lemna gibba) /14 days
NOEC chronic fish	1400 mg/l/ 21 d (Oncorhynchus mykiss)

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JADEX PLUS	
NOEC chronic crustacea	3.9 mg/l/ 21 d (Daphnia magna)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

JADEX PLUS	
Log Pow	Not determined

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations






13.1. Waste treatment methods

Waste treatment methods : After cleaning, recycle or dispose of at an authorised site. Do not allow into drains or water courses.

Waste disposal recommendations : Dispose of in accordance with relevant local regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1760	1760	1760	1760	1760
14.2. UN proper shipping name				
CORROSIVE LIQUID, N.O.S. (Chlormequat chloride (ISO)(999-81-5))	CORROSIVE LIQUID, N.O.S. (Chlormequat chloride (ISO)(999-81-5))	Corrosive liquid, n.o.s. (Chlormequat chloride (ISO)(999-81-5))	CORROSIVE LIQUID, N.O.S. (Chlormequat chloride (ISO)(999-81-5))	CORROSIVE LIQUID, N.O.S. (Chlormequat chloride (ISO)(999-81-5))
Transport document description				
UN 1760 CORROSIVE LIQUID, N.O.S. (Chlormequat chloride (ISO)(999-81-5)), 8, III, (E)	UN 1760 CORROSIVE LIQUID, N.O.S. (Chlormequat chloride (ISO)(999-81-5)), 8, III	UN 1760 Corrosive liquid, n.o.s. (Chlormequat chloride (ISO)(999-81-5)), 8, III	UN 1760 CORROSIVE LIQUID, N.O.S. (Chlormequat chloride (ISO)(999-81-5)), 8, III	UN 1760 CORROSIVE LIQUID, N.O.S. (Chlormequat chloride (ISO)(999-81-5)), 8, III
14.3. Transport hazard class(es)				
8	8	8	8	8
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No

14.6. Special precautions for user

- Overland transport

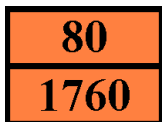
Classification code (ADR) : C9
 Special provisions (ADR) : 274
 Limited quantities (ADR) : 5I
 Excepted quantities (ADR) : E1
 Packing instructions (ADR) : P001, IBC03, LP01, R001
 Mixed packing provisions (ADR) : MP19
 Portable tank and bulk container instructions (ADR) : T7

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Portable tank and bulk container special provisions (ADR) : TP1, TP28
Tank code (ADR) : L4BN
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Hazard identification number (Kemler No.) : 80
Orange plates :



Tunnel restriction code (ADR) : E
EAC code : 2X
APP code : B

- Transport by sea

Special provisions (IMDG) : 223, 274
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P001, LP01
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T7
Tank special provisions (IMDG) : TP1, TP28
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-B
Stowage category (IMDG) : A
MFAg-No : 154

- Air transport

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y841
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 852
PCA max net quantity (IATA) : 5L
CAO packing instructions (IATA) : 856
CAO max net quantity (IATA) : 60L
Special provisions (IATA) : A3
ERG code (IATA) : 8L

- Inland waterway transport

Classification code (ADN) : C9
Special provisions (ADN) : 274
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Carriage permitted (ADN) : T
Equipment required (ADN) : PP, EP
Number of blue cones/lights (ADN) : 0

- Rail transport

Classification code (RID) : C9
Special provisions (RID) : 274
Limited quantities (RID) : 5L
Excepted quantities (RID) : E1
Packing instructions (RID) : P001, IBC03, LP01, R001
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T7
Portable tank and bulk container special provisions (RID) : TP1, TP28
Tank codes for RID tanks (RID) : L4BN

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Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 80

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

A CSA does not need to be carried out for this product

SECTION 16: Other information

Data sources	: ECHA - European Chemicals Agency.
Other information	: Safety data sheet established by : LISAM SERVICES - TELEGIS 17, Rue de la Couture F-60400 PASSEL Safety Made Easy with www.lisam.com .

Full text of H- and EUH-statements:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Met. Corr. 1	Corrosive to metals, Category 1
H290	May be corrosive to metals
H302	Harmful if swallowed
H311	Toxic in contact with skin
H312	Harmful in contact with skin
EUH401	To avoid risks to human health and the environment, comply with the instructions for use

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Met. Corr. 1	H290	On basis of test data
Acute Tox. 4 (Oral)	H302	On basis of test data

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product