

SAFETY DATA SHEET

Based upon Regulation (EC) No. 1907/2006, as amended by Regulation (EC) No. 453/2010

Chikara Duo

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

1.1 Product identifier:

Product name : Chikara Duo
Synonyms : IBE 4036; SL-162
Registration number REACH : Not applicable (mixture)
Product type REACH : Mixture

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

1.2.1 Relevant identified uses

Pesticide

1.2.2 Uses advised against

No uses advised against known

1.3 Details of the supplier of the safety data sheet:

Supplier of the safety data sheet

ISK Biosciences Europe N.V.
Pegasus Park, De Kleetlaan 12B - box 9
B-1831 Diegem, Belgium
☎ +32 2 627 86 11
✉ +32 2 627 86 00
isk-msds@isk.be

1.4 Emergency telephone number:

24h/24h (Telephone advice: English, French, German, Dutch):
+32 14 58 45 45 (BIG)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation EC No 1272/2008

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Class	Category	Hazard statements
Eye Irrit.	category 2	H319: Causes serious eye irritation.
Aquatic Acute	category 1	H400: Very toxic to aquatic life.
Aquatic Chronic	category 1	H410: Very toxic to aquatic life with long lasting effects.

2.1.2 Classification according to Directive 67/548/EEC-1999/45/EC

Classified as dangerous in accordance with the criteria of Directives 67/548/EEC and 1999/45/EC
N; R50-53 - Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

2.2 Label elements:

Labelling according to Regulation EC No 1272/2008 (CLP)



Signal word



Warning

H-statements

H319 Causes serious eye irritation.
H410 Very toxic to aquatic life with long lasting effects.

P-statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.

Chikara Duo

Supplemental information

EUH401

To avoid risks to human health and the environment, comply with the instructions for use.

2.3 Other hazards:

CLP

No other hazards known

SECTION 3: Composition/information on ingredients

3.1 Substances:

Not applicable

3.2 Mixtures:

Name REACH Registration No	CAS No EC No	Conc. (C)	Classification according to DSD/DPD	Classification according to CLP	Note	Remark
flazasulfuron	104040-78-0	C=0.67 %	N; R50-53	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	(1)	Constituent
glyphosate	1071-83-6 213-997-4	C=28.8 %	Xi; R41 N; R51-53	Eye Dam. 1; H318 Aquatic Chronic 2; H411	(1)	Constituent
docusate sodium	577-11-7 209-406-4	C<10 %	Xi; R38 - 41	Skin Irrit. 2; H315 Eye Dam. 1; H318	(1)	Constituent
sodium carbonate	497-19-8 207-838-8	C<10 %	Xi; R36	Eye Irrit. 2; H319	(1)	Constituent

(1) For R-phrases and H-statements in full: see heading 16

SECTION 4: First aid measures

4.1 Description of first aid measures:

General:

Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.

After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

After skin contact:

Rinse with water. Take victim to a doctor if irritation persists.

After eye contact:

Rinse immediately with plenty of water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

After ingestion:

Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Consult a doctor/medical service if you feel unwell.

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

4.2.1 Acute symptoms

After inhalation:

No effects.

After skin contact:

Not irritating.

After eye contact:

Irritation of the eye tissue.

After ingestion:

No effects.

4.2.2 Delayed symptoms

No effects known.

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

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

5.1.1 Suitable extinguishing media:

Water spray. Polyvalent foam. ABC powder. Carbon dioxide.

Reason for revision: 2.2; 16

Publication date: 2014-08-12

Date of revision: 2015-03-25

Revision number: 0002

Product number: 55143

2 / 14

Chikara Duo

5.1.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known.

5.2 Special hazards arising from the substance or mixture:

On burning: release of toxic and corrosive gases/vapours (nitrous vapours, sulphur oxides, carbon monoxide - carbon dioxide).

5.3 Advice for firefighters:

5.3.1 Instructions:

Dilute toxic gases with water spray. Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it.

5.3.2 Special protective equipment for fire-fighters:

Gloves. Protective clothing. Dust cloud production: compressed air/oxygen apparatus. Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Prevent dust cloud formation. No naked flames.

6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

6.1.2 Protective equipment for emergency responders

Gloves. Protective clothing. Dust cloud production: compressed air/oxygen apparatus.

Suitable protective clothing

See heading 8.2

6.2 Environmental precautions:

Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Dam up the solid spill. Knock down/dilute dust cloud with water spray. Prevent soil and water pollution. Prevent spreading in sewers.

6.3 Methods and material for containment and cleaning up:

Stop dust cloud by covering with sand/earth. Scoop solid spill into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

6.4 Reference to other sections:

See heading 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1 Precautions for safe handling:

Avoid raising dust. Keep away from naked flames/heat. Observe normal hygiene standards. Keep container tightly closed. Do not discharge the waste into the drain.

7.2 Conditions for safe storage, including any incompatibilities:

7.2.1 Safe storage requirements:

Keep out of direct sunlight. Store in a dry area. Meet the legal requirements.

7.2.2 Keep away from:

Heat sources, ignition sources.

7.2.3 Suitable packaging material:

No data available

7.2.4 Non suitable packaging material:

No data available

7.3 Specific end use(s):

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure

a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

b) National biological limit values

If limit values are applicable and available these will be listed below.

8.1.2 Sampling methods

If applicable and available it will be listed below.

Glyphosate	OSHA	2067
------------	------	------

Reason for revision: 2.2; 16

Publication date: 2014-08-12

Date of revision: 2015-03-25

Revision number: 0002

Product number: 55143

3 / 14

Chikara Duo

8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

8.1.4 DNEL/PNEC values

DNEL - Workers

docusate sodium

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	44.1 mg/m ³	
	Long-term systemic effects dermal	31.3 mg/kg bw/day	

sodium carbonate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	10 mg/m ³	

DNEL - General population

docusate sodium

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	13 mg/m ³	
	Long-term systemic effects dermal	18.8 mg/kg bw/day	
	Long-term systemic effects oral	18.8 mg/kg bw/day	

sodium carbonate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Acute local effects inhalation	10 mg/m ³	

PNEC

docusate sodium

Compartment	Value	Remark
Fresh water	0.0066 mg/l	
Marine water	0.00066 mg/l	
Aqua (intermittent releases)	0.066 mg/l	
STP	122 mg/l	
Fresh water sediment	0.653 mg/kg sediment dw	
Marine water sediment	0.0653 mg/kg sediment dw	
Soil	0.138 mg/kg soil dw	

8.1.5 Control banding

If applicable and available it will be listed below.

8.2 Exposure controls:

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls

Avoid raising dust. Keep away from naked flames/heat. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work.

a) Respiratory protection:

Dust production: dust mask with filter type P1.

b) Hand protection:

Gloves.

- materials (good resistance)

Nitrile rubber.

c) Eye protection:

Safety glasses. In case of dust production: protective goggles.

d) Skin protection:

Protective clothing.

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical form	Solid
Odour	No data available on odour
Odour threshold	No data available
Colour	White
Particle size	No data available
Explosion limits	No data available

Reason for revision: 2.2; 16

Publication date: 2014-08-12

Date of revision: 2015-03-25

Revision number: 0002

Product number: 55143

4 / 14

Chikara Duo

Flammability	Non-flammable
Log Kow	No data available
Dynamic viscosity	No data available
Kinematic viscosity	No data available
Melting point	No data available
Boiling point	No data available
Flash point	Not applicable
Evaporation rate	No data available
Relative vapour density	No data available
Vapour pressure	No data available
Solubility	No data available
Relative density	1.728 ; 20 °C
Decomposition temperature	No data available
Auto-ignition temperature	No data available
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
pH	5.2 - 5.3 ; 1 %

9.2 Other information:

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity:

Substance has acid reaction.

10.2 Chemical stability:

Stable under normal conditions.

10.3 Possibility of hazardous reactions:

No data available.

10.4 Conditions to avoid:

Avoid raising dust. Keep away from naked flames/heat.

10.5 Incompatible materials:

No data available.

10.6 Hazardous decomposition products:

On burning: release of toxic and corrosive gases/vapours (nitrous vapours, sulphur oxides, carbon monoxide - carbon dioxide).

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

11.1.1 Test results

Acute toxicity

Chikara Duo

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		> 2000 mg/kg		Rat	Experimental value	
Dermal	LD50		> 2000 mg/kg		Rat	Experimental value	
Inhalation	LC50		> 3.38 mg/l	4 h	Rat	Experimental value	

flazasulfuron

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		> 5000 mg/kg		Rat (male/female)	Experimental value	
Dermal	LD50		> 2000 mg/kg		Rat	Experimental value	
Inhalation	LC50		> 5.99 mg/l	4 h	Rat	Experimental value	

glyphosate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		4873 mg/kg		Rat		
Dermal	LD50		> 5000 mg/kg		Rabbit		
Inhalation	LC50		> 12.2 mg/l	4 h	Rat		

Reason for revision: 2.2; 16

Publication date: 2014-08-12

Date of revision: 2015-03-25

Revision number: 0002

Product number: 55143

5 / 14

Chikara Duo

docusate sodium

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		> 2000 mg/kg		Rat		
Dermal	LD50		> 10000 mg/kg		Rabbit		

sodium carbonate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		2800 mg/kg		Rat (male/female)	Experimental value	
Dermal	LD50		> 2000 mg/kg		Rabbit	Experimental value	
Inhalation	LC50		2.30 mg/l	2 h	Rat (male)	Experimental value	

Judgement of the mixture is based on test data on the mixture as a whole

Conclusion

Not classified for acute toxicity

Corrosion/irritation

Chikara Duo

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating					Experimental value	
Skin	Not irritating					Experimental value	

glyphosate

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Serious eye damage; category 1					Annex VI	

docusate sodium

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Irritating	OECD 405	72 h	1; 24; 48; 72 hours	Rabbit	Experimental value	Aqueous solution
Skin	Irritating	OECD 404	4 h	1; 24; 48; 72 hours	Rabbit	Experimental value	

sodium carbonate

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Irritating	EPA 16 CFR 1500.42		1; 2; 3; 4; 7; 10; 14 days	Rabbit	Experimental value	
Eye	Highly irritating	Equivalent to OECD 405		1; 24; 48; 72; 168 hours	Rabbit	Experimental value	
Dermal	Not irritating	OECD 404		24; 48; 72 hours	Rabbit	Experimental value	
Inhalation (aerosol)	Slightly irritating					Literature	

Classification of the mixture is based on test data on the mixture as a whole

Conclusion

Causes serious eye irritation.

Not classified as irritating to the skin

Respiratory or skin sensitisation

Chikara Duo

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing				Guinea pig	Experimental value	

flazasulfuron

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing					Literature study	

Chikara Duo

sodium carbonate

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin						Not determined, exemption according to REACH	
Inhalation						Not determined, exemption according to REACH	

Judgement of the mixture is based on test data on the mixture as a whole

Conclusion

Not classified as sensitizing for skin

Specific target organ toxicity

Chikara Duo

No (test)data on the mixture available

Mutagenicity (in vitro)

Chikara Duo

No (test)data on the mixture available

sodium carbonate

Result	Method	Test substrate	Effect	Value determination
Negative	Other	Escherichia coli		Experimental value
Ambiguous	OECD 471	Bacteria (S.typhimurium)		Read-across

Mutagenicity (in vivo)

Chikara Duo

No (test)data on the mixture available

Carcinogenicity

Chikara Duo

No (test)data on the mixture available

Reproductive toxicity

Chikara Duo

No (test)data on the mixture available

sodium carbonate

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL	Other	≥ 245 mg/kg bw/day		Rat	No effect		Experimental value
Effects on fertility								Not determined, exemption according to REACH

Judgement is based on the relevant ingredients

Conclusion CMR

Not classified for carcinogenicity

Not classified for mutagenic or genotoxic toxicity

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

Chikara Duo

No (test)data on the mixture available

Chronic effects from short and long-term exposure

Chikara Duo

No effects known.

SECTION 12: Ecological information

12.1 Toxicity:

Reason for revision: 2.2; 16

Publication date: 2014-08-12

Date of revision: 2015-03-25

Revision number: 0002

Product number: 55143

7 / 14

Chikara Duo

Chikara Duo

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50		> 100 mg/l	96 h	Oncorhynchus mykiss			Experimental value
Acute toxicity invertebrates	EC50		> 100 mg/l	48 h	Daphnia magna			Experimental value
Toxicity algae and other aquatic plants	ErC50		> 20 mg/l	96 h	Anabaena flosaquae			Experimental value; Growth rate
	ErC50		10.4 mg/l	96 h	Pseudokirchneria subcapitata			Experimental value; Growth rate
	ErC50		0.038 mg/l	7 day(s)	Lemna gibba			Experimental value; Growth rate

flazasulfuron

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50		22 mg/l	96 h	Oncorhynchus mykiss	Flow-through system		Experimental value
	LC50		> 98 mg/l	96 h	Lepomis macrochirus	Flow-through system		Experimental value
Acute toxicity invertebrates	EC50		> 106 mg/l	48 h	Daphnia magna			Experimental value
Toxicity algae and other aquatic plants	EC50		0.045 mg/l	72 h	Selenastrum capricornutum			Experimental value
	NOEC		0.02 µg/l	7 day(s)	Lemna gibba			Experimental value
Toxicity aquatic micro-organisms		OECD 209	100 mg/l		Activated sludge			Experimental value

glyphosate

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50		52 mg/l - 240 mg/l	96 h	Oncorhynchus mykiss			
Acute toxicity invertebrates	LC50		780 mg/l	48 h	Daphnia magna			Solution >=50%
Acute toxicity other aquatic organisms	EC50		3.32 mg/l		Algae			

docusate sodium

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50		28 mg/l	96 h	Oncorhynchus mykiss			
Acute toxicity invertebrates	EC50		36 mg/l	48 h	Daphnia magna			

sodium carbonate

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	Other	300 mg/l	96 h	Lepomis macrochirus	Static system	Fresh water	Experimental value
Acute toxicity invertebrates	EC50	Other	200 mg/l - 227 mg/l	48 h	Ceriodaphnia sp.	Semi-static system	Fresh water	Experimental value
Toxicity algae and other aquatic plants	EC50		242 mg/l	5 day(s)	Algae			Experimental value

Classification of the mixture is based on test data on the mixture as a whole

Conclusion

Slightly harmful to fishes
Slightly harmful to invertebrates (Daphnia)
Harmful to algae
Highly toxic to aquatic plants
Very toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability:

flazasulfuron

Half-life soil (t1/2 soil)

Method	Value	Primary degradation/mineralisation	Value determination
	12.8 day(s) - 15.9 day(s)		

Reason for revision: 2.2; 16

Publication date: 2014-08-12

Date of revision: 2015-03-25

Revision number: 0002

Product number: 55143

8 / 14

Chikara Duo

glyphosate

Half-life water (t1/2 water)

Method	Value	Primary degradation/mineralisation	Value determination
	7 week(s) - 10 week(s)		

Half-life soil (t1/2 soil)

Method	Value	Primary degradation/mineralisation	Value determination
	> 21 day(s)		

docusate sodium

Biodegradation water

Method	Value	Duration	Value determination
OECD 301D: Closed Bottle Test	66.7 %	28 day(s)	Experimental value

Conclusion

Contains non readily biodegradable component(s)

12.3 Bioaccumulative potential:

Chikara Duo

Log Kow

Method	Remark	Value	Temperature	Value determination
	No data available			

flazasulfuron

Log Kow

Method	Remark	Value	Temperature	Value determination
		< 1.5		

glyphosate

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
BCF		0.03	336 h	Oncorhynchus mykiss	
		0.63	840 h	Lepomis macrochirus	

BCF other aquatic organisms

Parameter	Method	Value	Duration	Species	Value determination
BCF		9.6	840 h	Lamellibranchiata	
		8	672 h	Procambarus sp.	

Log Kow

Method	Remark	Value	Temperature	Value determination
		-3.4 - -1.7		

docusate sodium

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
BCF		0.9 - 9.3		Cyprinus carpio	

Log Kow

Method	Remark	Value	Temperature	Value determination
	No data available			

sodium carbonate

Log Kow

Method	Remark	Value	Temperature	Value determination
		-6.19		Estimated value

Conclusion

No straightforward conclusion can be drawn based upon the available numerical values

12.4 Mobility in soil:

Chikara Duo

(log) Koc

Parameter	Method	Value	Value determination
			No data available

flazasulfuron

(log) Koc

Parameter	Method	Value	Value determination
Koc		46.16	Experimental value

Chikara Duo

Conclusion

No straightforward conclusion can be drawn based upon the available numerical values

12.5 Results of PBT and vPvB assessment:

Due to insufficient data no statement can be made whether the component(s) fulfil(s) the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

12.6 Other adverse effects:

Chikara Duo

Global warming potential (GWP)

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

flazasulfuron

Global warming potential (GWP)

Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)

sodium carbonate

Global warming potential (GWP)

Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)

SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

13.1 Waste treatment methods:

13.1.1 Provisions relating to waste

Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

02 01 08* (wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing: agrochemical waste containing dangerous substances).

Hazardous waste according to Directive 2008/98/EC.

13.1.2 Disposal methods

Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber with energy recovery. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals.

13.1.3 Packaging/Container

Waste material code packaging (Directive 2008/98/EC).

15 01 10* (packaging containing residues of or contaminated by dangerous substances).

SECTION 14: Transport information

Road (ADR)

14.1 UN number:

UN number	3077
-----------	------

14.2 UN proper shipping name:

Proper shipping name	Environmentally hazardous substance, solid, n.o.s. (flazasulfuron; glyphosate)
----------------------	--

14.3 Transport hazard class(es):

Hazard identification number	90
Class	9
Classification code	M7

14.4 Packing group:

Packing group	III
Labels	9

14.5 Environmental hazards:

Environmentally hazardous substance mark	yes
--	-----

14.6 Special precautions for user:

Special provisions	274
Special provisions	335
Special provisions	601

Chikara Duo

Limited quantities

Combination packagings: not more than 5 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass)

Rail (RID)

14.1 UN number:

UN number	3077
-----------	------

14.2 UN proper shipping name:

Proper shipping name	Environmentally hazardous substance, solid, n.o.s. (flazasulfuron; glyphosate)
----------------------	--

14.3 Transport hazard class(es):

Hazard identification number	90
Class	9
Classification code	M7

14.4 Packing group:

Packing group	III
Labels	9

14.5 Environmental hazards:

Environmentally hazardous substance mark	yes
--	-----

14.6 Special precautions for user:

Special provisions	274
Special provisions	335
Special provisions	601
Limited quantities	Combination packagings: not more than 5 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass)

Inland waterways (ADN)

14.1 UN number:

UN number	3077
-----------	------

14.2 UN proper shipping name:

Proper shipping name	Environmentally hazardous substance, solid, n.o.s. (flazasulfuron; glyphosate)
----------------------	--

14.3 Transport hazard class(es):

Class	9
Classification code	M7

14.4 Packing group:

Packing group	III
Labels	9

14.5 Environmental hazards:

Environmentally hazardous substance mark	yes
--	-----

14.6 Special precautions for user:

Special provisions	274
Special provisions	335
Special provisions	601
Limited quantities	Combination packagings: not more than 5 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass)

Sea (IMDG/IMSBC)

14.1 UN number:

UN number	3077
-----------	------

14.2 UN proper shipping name:

Proper shipping name	Environmentally hazardous substance, solid, n.o.s. (flazasulfuron; glyphosate)
----------------------	--

14.3 Transport hazard class(es):

Class	9
-------	---

14.4 Packing group:

Packing group	III
Labels	9

14.5 Environmental hazards:

Marine pollutant	P
Environmentally hazardous substance mark	yes

14.6 Special precautions for user:

Special provisions	274
Special provisions	335
Special provisions	966

Reason for revision: 2.2; 16

Publication date: 2014-08-12

Date of revision: 2015-03-25

Revision number: 0002

Product number: 55143

11 / 14

Chikara Duo

Special provisions	967
Limited quantities	Combination packagings: not more than 5 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass)

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

Annex II of MARPOL 73/78	Not applicable
--------------------------	----------------

Air (ICAO-TI/IATA-DGR)

14.1 UN number:

UN number	3077
-----------	------

14.2 UN proper shipping name:

Proper shipping name	Environmentally hazardous substance, solid, n.o.s. (flazasulfuron; glyphosate)
----------------------	--

14.3 Transport hazard class(es):

Class	9
-------	---

14.4 Packing group:

Packing group	III
Labels	9

14.5 Environmental hazards:

Environmentally hazardous substance mark	yes
--	-----

14.6 Special precautions for user:

Special provisions	A97
Special provisions	A158
Special provisions	A179
Special provisions	A197
Passenger and cargo transport: limited quantities: maximum net quantity per packaging	30 kg G

SECTION 15: Regulatory information

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

European legislation:

VOC content Directive 2010/75/EU

VOC content	Remark
	No data available

Plant protection products - listed ingredient

Contains component(s) included in implementing Regulation (EU) No 540/2011

European drinking water standards (Directive 98/83/EC)

flazasulfuron

Parameter	Parametric value	Note	Reference
Pesticides	0,1 µg/l		Listed in Annex I, Part B, of Directive 98/83/EC on the quality of water intended for human consumption.
Pesticides — Total	0,5 µg/l		Listed in Annex I, Part B, of Directive 98/83/EC on the quality of water intended for human consumption.

glyphosate

Parameter	Parametric value	Note	Reference
Pesticides	0,1 µg/l		Listed in Annex I, Part B, of Directive 98/83/EC on the quality of water intended for human consumption.
Pesticides — Total	0,5 µg/l		Listed in Annex I, Part B, of Directive 98/83/EC on the quality of water intended for human consumption.

docusate sodium

Parameter	Parametric value	Note	Reference
Sodium	200 mg/l		Listed in Annex I, Part C, of Directive 98/83/EC on the quality of water intended for human consumption.

sodium carbonate

Parameter	Parametric value	Note	Reference
Sodium	200 mg/l		Listed in Annex I, Part C, of Directive 98/83/EC on the quality of water intended for human consumption.

National legislation The Netherlands

Chikara Duo

Waste identification (the Netherlands)	LWCA (the Netherlands): KGA category 03
Waterbezwaarlijkheid	8

Reason for revision: 2.2; 16

Publication date: 2014-08-12

Date of revision: 2015-03-25

Revision number: 0002

Product number: 55143

12 / 14

Chikara Duo

National legislation Germany

Chikara Duo

Lagerklasse (TRGS510)	13: Nicht brennbare Feststoffe
WGK	2; Classification water polluting based on tests in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)

sodium carbonate

TA-Luft	5.2.1
---------	-------

National legislation France

Chikara Duo

No data available

National legislation Belgium

Chikara Duo

No data available

Other relevant data

Chikara Duo

No data available

15.2 Chemical safety assessment:

No chemical safety assessment has been conducted.

SECTION 16: Other information

Labelling according to Directive 67/548/EEC-1999/45/EC (DSD/DPD)

Labels



Dangerous for the environment

R-phrases

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-phrases

35 This material and its container must be disposed of in a safe way
57 Use appropriate container to avoid environmental contamination

Additional recommendations

To avoid risks to man and the environment, comply with the instructions for use

Full text of any R-phrases referred to under headings 2 and 3:

R36 Irritating to eyes
R38 Irritating to skin
R41 Risk of serious damage to eyes
R50 Very toxic to aquatic organisms
R51 Toxic to aquatic organisms
R53 May cause long-term adverse effects in the aquatic environment

Full text of any H-statements referred to under headings 2 and 3:

H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
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.

(*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

DSD Dangerous Substance Directive
DPD Dangerous Preparation Directive

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense,

Reason for revision: 2.2; 16

Publication date: 2014-08-12

Date of revision: 2015-03-25

Revision number: 0002

Product number: 55143

13 / 14

Chikara Duo

regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.