

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixture
Trade name : Samson Extra 6%
Product code : SL-950 6 OD (IBE 4119)
Type of product : OD : oil dispersion

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Main use category : Professional use
Use of the substance/mixture : Herbicide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Belchim Crop Protection NV/SA
Technologielaan 7
B- 1840 Londerzeel
Belgium
T +32 (0)52 30 09 06 - F +32 (0)52 30 11 35
info@belchim.com - www.belchim.com

1.4. Emergency telephone number

Emergency number : +32(0)14584545
24 H/7 days/English/French/German/Dutch

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Skin corrosion/irritation, Category 2	H315
Skin sensitisation, category 1B	H317
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects.

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP)



Signal word (CLP)

: Warning

Hazard statements (CLP)

: H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.

Samson Extra 6%

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

EUH-statements : EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-ethylhexan-1-ol	CAS-No.: 104-76-7 EC-No.: 203-234-3 REACH-no: 01-2119487289-20	10 – 20	Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Nicosulfuron (ISO)	CAS-No.: 111991-09-4	5 – 10	Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)
1-Tridecanol, monoether with polyethylene glycol	CAS-No.: 24938-91-8	1 – 5	Eye Dam. 1, H318
Quaternary ammonium compounds, bis (hydrogenated tallow alkyl) dimethyl, chlorides	CAS-No.: 61789-80-8 EC-No.: 263-090-2	0,1 – 0,5	Eye Dam. 1, H318 Aquatic Chronic 1, H410

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Consult a doctor/medical service if you feel unwell.

First-aid measures after inhalation : Move the affected person to the fresh air. Respiratory problems: consult a doctor/medical service.

First-aid measures after skin contact : Wash skin with mild soap and water. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Do not apply (chemical) neutralizing agents. Consult an eye specialist.

First-aid measures after ingestion : Do not induce vomiting. Rinse mouth out with water. Do not give an unconscious person anything to drink. Consult a doctor/medical service if you feel unwell.

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

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

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 : Polyvalent foam. BC-powder. Carbon dioxide. Water spray. Alcohol-resistant foam.

Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic and corrosive vapours may be released. Sulphur oxides. Nitrous fumes. Carbon monoxide. Carbon dioxide.

Samson Extra 6%

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Dilute toxic gases with water spray. Contain the extinguishing fluids by bunding (the product is hazardous for the environment).
- Protection during firefighting : Gloves. Protective non-flammable clothing. Heat/fire exposure: compressed air/oxygen apparatus. Gas-tight suit.
- Other information : Do not dispose of fire-fighting water in the environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Keep away from naked flames/heat.

6.1.1. For non-emergency personnel

- Protective equipment : Concerning personal protective equipment to use, see section 8.

6.1.2. For emergency responders

- Protective equipment : Protective gloves. Protective clothing. Concerning personal protective equipment to use, see section 8.

6.2. Environmental precautions

Contain the spilled material by bunding (product is hazardous for the environment). Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Prevent dispersion by covering with dry sand/earth. Shovel into suitable and closed container for disposal. Carefully collect remainder.
- Methods for cleaning up : Clean contaminated surfaces with an excess of water.

6.4. Reference to other sections

Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not discharge the waste into the drain.
- Hygiene measures : Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep the container hermetically sealed. Store in a dry, cool area. Protect from heat and direct sunlight.
- Storage temperature : < 40 °C
- Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Packaging materials : Keep only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

2-ethylhexan-1-ol (104-76-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	2-ethylhexan-1-ol
IOEL TWA	5,4 mg/m ³

Samson Extra 6%

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

2-ethylhexan-1-ol (104-76-7)	
IOEL TWA [ppm]	1 ppm
Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Provide local exhaust or general room ventilation.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Chemical resistant safety shoes. complete protective suit against chemicals. Material. Polyvinylchloride (PVC). Plastic materials. Natural rubber

Hand protection:

Protective gloves. PVC or other plastic material or natural rubber gloves. Breakthrough time : refer to the recommendations of the supplier. The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard EN 374

8.2.2.3. Respiratory protection

Respiratory protection:

If the ventilation is suitable, it is not essential to wear respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Beige. opaque.
Odour	: Chemical.
Odour threshold	: No data available
pH	: No data available
pH solution	: 4,66 (1%)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 93 °C

Samson Extra 6%

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0,9593
Density	: 0,9593 g/ml (20°C)
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 40 – 91 mPa.s (20°C); 25 - 105 mPa.s (40°C)
Explosive properties	: Not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: Not applicable

9.2. Other information

Additional information : Surface tension 22.6 mN/m (25°C)

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Do not expose to heat.

10.5. Incompatible materials

None to our knowledge.

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 (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

Samson Extra 6%	
LD50 oral	> 2000 mg/kg (OECD 423 method)
LD50 dermal rat	> 2000 mg/kg (OECD 402 method)
LC50 Inhalation - Rat	> 5 mg/l/4h (OECD 403 method)

Skin corrosion/irritation	: Causes skin irritation.
Additional information	: Irritating to rabbits on cutaneous application (OECD 404 method)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Additional information	: mouse Skin sensitisation (OECD 429 method)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)

Samson Extra 6%

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

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

Nicosulfuron (ISO) (111991-09-4)

NOAEL (chronic, oral, animal/male, 2 years) 199 mg/kg bodyweight

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

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

2-ethylhexan-1-ol (104-76-7)

STOT-single exposure May cause respiratory irritation.

STOT-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)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects.

Additional information : Not rapidly degradable.

Samson Extra 6%

LC50 - Fish [1] 85,6 mg/l (96h) (Oncorhynchus mykiss) (OECD 203)

EC50 - Crustacea [1] 30,6 mg/l (48h) (Daphnia magna) (OECD 202)

ErC50 algae 39,1 mg/l (72h) (Pseudokirchneriella subcapitata) (OECD 201)

ErC50 other aquatic plants 0,0402 mg/l (7d) (Lemna gibba) (OECD 221)

12.2. Persistence and degradability

2-ethylhexan-1-ol (104-76-7)

Persistence and degradability Readily biodegradable.

Nicosulfuron (ISO) (111991-09-4)

Biodegradation Not readily biodegradable

12.3. Bioaccumulative potential

2-ethylhexan-1-ol (104-76-7)

BCF - Fish [1] 38,06

Partition coefficient n-octanol/water (Log Pow) 2,9

Nicosulfuron (ISO) (111991-09-4)

Partition coefficient n-octanol/water (Log Kow) 0,61

Bioaccumulative potential Low bioaccumulation potential.

12.4. Mobility in soil

Nicosulfuron (ISO) (111991-09-4)

Organic Carbon Normalized Adsorption Coefficient (Log Koc) 1,32

12.5. Results of PBT and vPvB assessment

Samson Extra 6%

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

Samson Extra 6%

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Samson Extra 6%

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods






Waste treatment methods : Do not dispose of with domestic waste. Dispose of in accordance with relevant local regulations.

Ecology - waste materials : Do not contaminate ground and surface water.

European List of Waste (LoW) code : 02 01 08* - agrochemical waste containing dangerous substances
15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	Environmentally hazardous substance, liquid, n.o.s.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document description				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s., 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
14.3. Transport hazard class(es)				
9	9	9	9	9
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Overland transport

Special provisions (ADR) : 274, 335, 375, 601

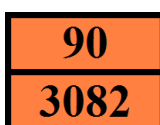
Samson Extra 6%

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Orange plates

:



EAC code

: •3Z

Transport by sea

No data available

Air transport

No data available

Inland waterway transport

Classification code (ADN)

: M6

Number of blue cones/lights (ADN)

: 0

Rail transport

No data available

14.7. Transport in bulk according to Annex II of Marpol 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

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	SDS EU format	Modified	
1.1	UFI	Added	
2.1	Additional information	Added	
14.1	Additional information	Added	

Data sources

: SDS of suppliers.

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1

Samson Extra 6%

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Full text of H- and EUH-statements:	
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

The classification complies with : ATP 8

Safety Data Sheet (SDS), EU

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.