

Safety Data Sheet

(in accordance with Annex II of Commission Regulation 453/2010/EC)

Date of elaboration: 10.02.2020 r.
Date of revision:

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Identification of product

IUPAC/ international chemical name -
Trade name: **Active Shield Fluid**
CAS: -
EINECS/ELINCS: -
Registration number -

1.2 Identified use : Industrial use: welding
Professional use: welding
-

Uses advised against: -

1.3 Supplier: **Elica Ltd.**
Street, No.: Hale 13 – B - 85
Zip Code: 8600
City: Yambol
State: Yambol
Phone: 359878100195
Fax:
E-mail: elicawelding@abv.bg
1.4 Emergency number: 359112

SECTION 2. HAZARD IDENTIFICATION

2.1 Classification in accordance with EP and Council Regulation 1272/2008 CLP **GHS07, Warning**
Skin Irrit. 2, H315
Eye Irrit. 2, H319
Skin Sens. 1, H317
Aquatic Chronic 4 , H413

2.2 Label elements
Symbol



Signal word
Hazard statement

Warning
H315 Causes skin irritation.
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation.
H413 May cause long lasting harmful effects to aquatic life.
P280 Wear protective gloves/ eye protection.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P302 + P352 IF ON SKIN: Wash with plenty of water
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with current regional legislation as dangerous waste.

Precautionary statement

2.3 Other hazards

Contains: additive

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	isobutyl stearate	distillates (petroleum)	2-ethylhexyl stearate	additive
Concentration	0- 28 %	0 – 3 %	50- 80 %	< 4 %
CAS	646-13-9	64742-65-0	22047-49-0	confidential
EC	211-466-1	265-169-7	244-754-0	confidential
Registration	<i>in 2018</i>	<i>01-2119471299-27-xxxx</i>		

Classification	GHS07 Skin Irrit. 2 Eye Irrit. 2	Aquatic Chronic 4 *	GHS07 Skin Irrit. 2 Eye Irrit. 2	GHS07 Skin Sens. 1
	H315 H319	H413	H315 H319	H317
H-statements	Warning	-	Warning	Warning
	-	-	-	-
Signal word	-	-	-	-
Occupational exposure limits	-	< 3% DMSO extract	-	-
PBT/vPvB				
Other				

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures	Inhalation	Move victim to fresh air. In case of difficulties after dust inhalation contact doctor.
	Eyes	Wash eyes with plenty of water during at least 10 minutes. If irritation persists, contact doctor.
	Skin	Remove contaminated clothing. Wash the skin with water.
	Ingestion	Never induce vomiting. Contact doctor as soon as possible.
4.2 Most important symptoms and effects, both acute and delayed	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Accidental ingestion may lead to penetration of particles into the lungs and cause serious health problems (pneumonia, pulmonary oedema).	
4.3 Indication of any immediate medical attention and special treatment needed	In case of accidental ingestion, in case of difficulties after contact with eyes and also in case of allergic skin reaction immediately contact doctor.	

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media	suitable	CO2, powder, foam, water fog
	not to be used	water in full jet
5.2 Special hazards arising from the substance or mixture	Hazardous decomposition products may form (carbon oxides, nitrogen oxides, hydrocarbons, organic compounds) and thick black smoke. Vapours may form explosive mixture with air.	
5.3 Advice for fire fighters	Use self-contained breathing apparatus. Wear protective clothing. Remove containers rapidly out of reach of fire or cool with water fog. Do not breathe combustion gases.	

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Avoid prolonged contact with skin and eyes. Wear suitable personal protection. Avoid access of not protected and not informed persons.	
6.2 Thermal hazard:	combustible	
6.3 Environmental precautions	Avoid release of product in to the waters, watercourses and water sources as well as to the sewerage. If it happens, contact responsible institutions.	
6.4 Methods and material for containment and cleaning up	Pick up with non combustible absorbent materials (sand, earth) and take for disposal in closed, labelled containers.	
6.5 Reference to other sections	personal protection: section 8 waste disposal: section 13	

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling	Ensure ventilation of closed rooms. Avoid prolonged contact with skin and eyes. Wear suitable personal protection (eyes, skin). Keep safety and hygienic regulations for work with chemicals. Do not eat, drink or fume. Take off immediately all contaminated clothing.
7.2 Conditions for safe storage, including any incompatibilities	Storage in original, tightly closed container in cool, dry, well ventilated room. Do not store with incompatible materials.
7.3 Specific end use(s)	Product is used to protect MIG gun consumables and welded parts from welding spatters.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters	-
DNEL workers	data not available
DNEL population	data not available
Exposure controls	Hand protection: protective gloves(EN 374) Skin protection: protective clothing Eye protection protective glasses (EN 166) Respiratory protection: necessary in case of high concentration of vapours
Environmental exposure controls	data not available

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	liquid
Color	amber
Odour	pleasant odour
Odour treshold	data not available
pH	data not available
Melting point/freezing point [°C]	< 8
Initial boiling point and boiling range [°C]	> 200
Flash point [°C]	> 170
Evaporation rate	data not available
Flammability	data not available
Auto-ignition temperature [°C]	> 320
Decomposition temperature [°C]	data not available
Lower explosive limit	data not available
Upper explosive limit	data not available
Oxidation properties	data not available
Vapour pressure [hPa]	< 0,1kpa
Vapour density	> 1 (air = 1)
Relative density [g.cm⁻³]	> 0,85
Solubility (water)	not soluble
Solubility (solvents) [g.l⁻¹]	data not available
Partition coefficient: n-octanol/water	data not available
Viscosity	data not available
9.2 Other information	-

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity	data not available
10.2 Chemical stability	stable under proposed conditions of use and storage
10.3 Possibility of hazardous reactions	data not available
10.4 Conditions to avoid	data not available
10.5 Incompatible materials	strong oxidisers
10.6 Hazardous decomposition products	In case of fire: see section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity LD₅₀	Oral	ATEmix: > 20 000 mg/kg (1,4-diazabicyclooctane /rat: 1870 mg/kg)
	Dermal	Data not available
	Inhalation	Data not available
Skin corrosion/irritation		Causes skin irritation. (calculation)
Eye damage/irritation		May cause long lasting harmful effects to aquatic life. (calculation)
Sensitisation	Skin	May cause an allergic skin reaction. (calculation)
	Respiratory system	Data not available
Mutagenity		No evidence

Reproduction toxicity	No evidence
Carcinogenity	No evidence
STOT SE	Data not available
STOT RE	Data not available
Aspiration toxicity	Data not available

SECTION 12. ECOLOGICAL INFORMATION

12.1 Aquatic toxicity	May cause long lasting harmful effects to aquatic life. (calculation)
12.2 Persistence and degradability	Data not available
12.3 Bioaccumulative potential	Data not available
12.4 Mobility in soil	Data not available
12.5 PBT a vPvB	Data not available
12.6 Other adverse effects	contains product of petroleum, may float on the surface of water and inhibit the oxygen/air access for water organisms

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Waste, contaminated absorbent material and contaminated packaging dispose in accordance with current regional legislation as dangerous waste (incineration plant).
Contaminated packaging dispose as dangerous waste.

SECTION 14. TRANSPORT INFORMATION

UN number	No dangerous good according to the transport regulations.
UN proper shipping name	-
Transport hazard class (es)	-
Packing group	-
Environmental hazards	-
Special precautions for user	-
Transport in bulk	-

SECTION 15. REGULATORY INFORMATION

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

Regulation No 1907/2006 of EP and Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency
Regulation No 1272/2008 of EP and Council on classification, labelling and packaging of substances and mixtures
Regulation No 453/2010 of Commission on Safety Data Sheet

Restriction according to Commission Regulation No 552/2009 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards on Annex XVII: none

Candidate list substances (according to Annex XIV of EP and Council Regulation 1907/2006 REACH: none

15.2 Chemical safety assessment: no assessment

SECTION 16. OTHER INFORMATION

Revision: -first edition 14.02.2018.

Wording of H-statements from section 3:

H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation.
H413 May cause long lasting harmful effects to aquatic life.

* classification added in accordance with article 4 of regulation no.1272/2008

Requirements for packaging in case of selling to the general public: none

