

SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

Product Name and/or Code: **ANDONOX RED**

Intended use: Colour concentrate for initiators.

Name of the company: Syrgis Performance Initiators AB
Box 26083
SE-100 41 Stockholm
Sweden

Telephone: +46 8 545 121 60

In case of an emergency: contact tel. +46 8 33 70 43 or National Poison Centre.

2. HAZARDS IDENTIFICATION OF THE PREPARATION



Xn

Danger classification: Xn = Harmful

Flammable. Harmful by inhalation and in contact with skin. Irritating to skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	EINECS-no	CAS-no	Conc. %	Symbol/R-phrases
Dimethyl Phthalate	205-011-6	131-11-3	40-50	None
2-Napthalenol ((phenylazo) phenol) azo alkyl derivates	296-120-8	92257-31-3	25-35	None
Xylene.	215-535-7	1330-20-7	17-23	Xn / 10, 20/21, 38
Ethyl benzene.	202-849-4	100-41-4	3-5	F, Xn / 11, 20
1,3-Benzenediol, 2,4-bis ((alkylphenyl) azo).	249-495-7 265-390-9 269-692-1	29190-28-1 65087-00-5 68310-04-3	<5	None

For the full R-phrases see section 16.

4. FIRST AID MEASURES

General:

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation:

Remove to fresh air, keep patient warm and at rest, if breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.

Skin contact:

Remove contaminated clothing. Wash skin thoroughly with soap and water.

Eye contact:

Immediately flush eyes with plenty of fresh water for at least 30 minutes holding the eyelids apart and seek medical advice if necessary.

Ingestion:

If accidentally swallowed obtain immediate medical attention. Keep at rest. Immediately induce vomiting.

5. FIRE-FIGHTING MEASURES

Flash point: >38°C (SETA CC)

Special fire fighting procedures: None

Unusual fire and explosion hazards: Residue from fire or spills is red dye.

Flammable limits: LEL 1% - UEL 7%

Extinguishing media:

Recommended: alcohol resistant foam, CO₂, powders, water spray.

6. ACCIDENTAL RELEASE MEASURES

Avoid sources of ignition and ventilate the area. Avoid breathing vapours. Absorb the leak with an inert, non-combustible absorbent material, e.g. sand, earth, perlite or vermiculite. Transfer the material into a clean approved container for proper disposal. Wet the material with water. Wash the contaminated zone. Dike to prevent runoff from entering drains, sewers, streams etc. Avoid skin and eye contact. Wear personal protection equipment recommended in section 8.

If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

7. HANDLING AND STORAGE

ANDONOX RED will dye or stain most organic substances a vivid red. Prevent contact with materials, which are not to be dyed red.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Component	CAS-no	Exposure limits
Dimethylphtalat	131-11-3	LTEL: 3mg/m ³ STEL: 5mg/m ³
Xylene	1330-20-7	LTEL: 50 ppm STEL: 100 ppm
Ethylbenzene	100-41-4	LTEL: 50 ppm STEL: 100 ppm

According to Swedish existing exposure limits.

Pay attention to the exposure limits in your own country. (LTEL = Long Term Exposure Limits, STEL = Short Term Exposure Limits).

Respiratory protection: Is required if the limits like TLV are exceeded. Gas mask with filter A (brown, organic substances) may be necessary.

Ventilation: Mechanical (general).

Hand protection: Protective gloves recommended.

Eye protection: Safety goggles.

Skin protection: Protective clothing to prevent staining of the skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Appearance and odour	Intensely red, slight odour.
Boiling point °C	139
Vapour pressure mmHg	5 at 18°C
Vapour Density (Air=1)	>1
Specific Gravity (Water=1)	1.1
Flash point: (SETA CC) °C	>38
Percent volatile by volume	67
Evaporate rate	9.5 (Ethyl ether)
Solubility in water	Insoluble

10. STABILITY AND REACTIVITY

Stable but will absorb water from the air if container is left open. Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

There are no data available on the preparation itself.

Dimethyl phthalate:

Oral – Rat LD₅₀ 6900 mg/kg

Inhalation – Rat LC₅₀ 9630 mg/kg

2-Napthalenol ((phenylazo) phenol) azo alkyl derivates:

4-week study on rats - no toxic effect level 40 mg/kg, day.

Not listed as a carcinogen by IARC (International Association for research on Cancer), NTP (National Toxicology Program (U.S.)), OSHA (Occupational Health and Safety Administration (U.S.)) or ACGIH (American Conference of Governmental Industrial Hygienists).

Xylene:

Oral – Rat LD₅₀ 4300 mg/kg

Inhalation – Rat LC₅₀ 5000 ppm/4hr

Not listed as a carcinogen by IARC (International Association for research on Cancer), NTP (National Toxicology Program (U.S.)), OSHA (Occupational Health and Safety Administration (U.S.)) or ACGIH (American Conference of Governmental Industrial Hygienists).

1,3-Benzenediol, 2,4-bis((alkylphenyl)azo):

Oral – Rat LD₅₀ >5000 mg/kg

Eye Irritation – Rabbit 2/110

Skin Irritation – Rabbit 0/8

Negative results in the Ames test. Found not to induce skin sensitization reactions when tested in guinea pigs. Negative results were obtained in the micronucleus assay.

Not listed as a carcinogen by IARC (International Association for research on Cancer), NTP (National Toxicology Program (U.S.)), OSHA (Occupational Health and Safety Administration (U.S.)) or ACGIH (American Conference of Governmental Industrial Hygienists).

Ethyl benzene:

In 2-year inhalation studies, there was clear evidence of carcinogenic activity in male rats based on increases of renal tubule neoplasms and testicular adenoma. There was “Some evidence of carcinogenic activity” in female rats based on renal tubule adenoma. There was “some evidence of carcinogenic activity” in male mice based on increased incidences of alveolar/bronchiolar neoplasms and in female mice based on increased incidences of hepatocellular neoplasms.

Not listed as a carcinogen by IARC (International Association for research on Cancer), NTP (National Toxicology Program (U.S.)), OSHA (Occupational Health and Safety Administration (U.S.)) or ACGIH (American Conference of Governmental Industrial Hygienists).

Oral – Rat LD₅₀ 3500 mg/kg

Dermal – Rabbit LD₅₀ 17800 mg/kg

Toxicity effects:

This product is strongly irritating for the eyes. Skin contact might cause irritation. The inhalation of its vapours may cause dizziness, headache and incoordination. Swallowing can cause vomiting, pain, upset stomach, diarrhea.

Skin contact:

Irritating.

Eyes contact:

Strongly irritating.

Ingestion:

Harmful

Cancerogenic-Mutagenic-Reproductive effects:

No evidence of these effects has been reported.

12. ECOLOGICAL INFORMATION

There are no data available on the preparation itself.

Dimethylphthalate:

Ecotoxicity

Algae *Selenastrum capricornutum*, IC50 (96h) 39,8 mg/l

Xylene:

Ecotoxicity

Fish

Roccus saxatilis, LC50 (96h) 2-11 mg/l

Salmo gairdneri, LC50 (96h) 8,2 mg/l

Lepomis macrochirus, LC50 (96h) 13,5 mg/l

Pimephales promelas, LC50 (96h) 21,0 mg/l

Algae

Selenastrum sp., IC50 (72h) 3-5 mg/l

Daphnia

EC50 (24h) 1-5 mg/l

Readily biodegradable (closed bottle test)

The product should not be allowed to enter drains of water courses.

13. DISPOSAL CONSIDERATIONS

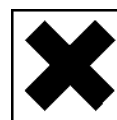
Do not allow into drains or watercourses. Water and emptied containers should be handled according to local regulations.

The producer recommends destruction of both product rests and empty packaging by combustion under controlled forms.

14. TRANSPORT INFORMATION

Proper Shipping Name: Flammable liquid, N.O.S. (Xylene), 3, III, ADR	
UN 1993	Class: 3
	Label: 3
	Packaging group: III
Marine pollutant: No	EmS: F-E, S-E

15. REGULATORY INFORMATION



Xn

Danger classification: Xn = Harmful

Last Changed: 23 November 2007

Product name: ANDONOX RED

5(6)

Replaces: 16 November 2006

Contains: Xylene

R phrases:

R-10 Flammable.
R-20/21 Harmful by inhalation and in contact with skin.
R-38 Irritating to skin.

S phrases:

S-25 Avoid contact with eyes
S-36/37 Wear suitable protective clothing and gloves.
S-38 In case of insufficient ventilation, wear suitable respiratory equipment.

16. OTHER INFORMATION

In addition from section 2:

Xylene. Symbol Xn

R-10 Flammable.
R-20/21 Harmful by inhalation and in contact with skin.
R-38 Irritating to skin.

Ethyl benzene. Symbol F, Xn

R-11 Highly flammable
R-20 Harmful by inhalation

This product is produced in Sweden.