



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773 S275-OS-773

Date of compilation: 2023-01-13

### SECTION 1: Identification

#### 1.1 Product identifier

Trade name **ORION SS MEDIUM YELLOW**  
 Alternative number(s) OS-773

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

Relevant identified uses General use

#### 1.3 Details of the supplier of the safety data sheet

Orion Automotive Finishes LLC  
 PO Box 34 - 1959 Kings Hwy  
 Swedesboro, NJ  
 08085, USA

Telephone: +1844 578 1750  
 Telefax: +1 512 793 9796  
 Website  
 www.orionautomotivefinishes.com

#### 1.4 Emergency telephone number

INFOTRAC www.infotrac.net  
 US & Canada: +1 800 535 5053  
 International: +1 352 323 3500 .

### SECTION 2: Hazard(s) identification

#### 2.1 Classification of the substance or mixture

Classification acc. to GHS

Section	Hazard class	Category	Hazard class and category	Hazard statement
2.6	Flammable liquid	2	Flam. Liq. 2	H225
3.2	Skin corrosion/irritation	2	Skin Irrit. 2	H315
3.3	Serious eye damage/eye irritation	2	Eye Irrit. 2	H319
3.7	Reproductive toxicity	2	Repr. 2	H361d
3.8D	Specific target organ toxicity - single exposure (narcotic effects, drowsiness)	3	STOT SE 3	H336
3.9	Specific target organ toxicity - repeated exposure	2	STOT RE 2	H373
3.10	Aspiration hazard	1	Asp. Tox. 1	H304

For full text of abbreviations: see SECTION 16.



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

The most important adverse physicochemical, human health and environmental effects

Delayed or immediate effects can be expected after short or long-term exposure. The product is combustible and can be ignited by potential ignition sources.

### 2.2 Label elements

Labeling

- Signal word danger

- Pictograms

GHS02, GHS07, GHS08



- Hazard statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.

- Precautionary statements

P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352	IF ON SKIN: Wash with plenty of water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial combustion plant.



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

### 2.3 Other hazards

of no significance

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### 3.2.1 Description of the mixture

Name of substance	Identifier	Wt%
RESINA	CAS No Propietario	10 - < 25
BUTYL ACETATE	CAS No 123-86-4	10 - < 25
XILENE	CAS No 1330-20-7	10 - < 25
METHYL AMIL KETONE	CAS No 110-43-0	5 - < 10
TOLUENE	CAS No 108-88-3	5 - < 10
ADITIVO DISPERSANTE		1 - < 5
ETHYL 3-ETHOXYPROPANOATE	CAS No 763-69-9	1 - < 5
Methoxy propyl acetate	CAS No 108-65-6	1 - < 5
RESINA	CAS No Propietario	1 - < 5
1,1,3-trimethyl-3-cyclohexen-5-one	CAS No 78-59-1	< 1
Dilución de poliacrilato	CAS No Propietario	< 1

For full text of abbreviations: see SECTION 16.

## SECTION 4: First-aid measures

### 4.1 Description of first-aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

### Following skin contact

Wash with plenty of soap and water.

### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Narcotic effects.

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

none

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media

Water jet

### 5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

#### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

#### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

#### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

### 7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

### 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Co- un- try	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/ m <sup>3</sup> ]	STEL [ppm]	STEL [mg/ m <sup>3</sup> ]	Ceiling-C [ppm]	Ceiling-C [mg/ m <sup>3</sup> ]	Nota tion	Source
US	PROPYLENE GLYCOL MONO- METHYL ETHER ACETATE	108-65- 6	PEL (CA)	100	541	150	811				Cal/OSHA PEL
US	TOLUENE	108-88- 3	REL	100 (10 h)	375 (10 h)	150	560				NIOSH REL
US	TOLUENE	108-88- 3	PEL	200		500 (10 min)		300			29 CFR 1910.1000
US	TOLUENE (TOLU- OL)	108-88- 3	PEL (CA)	10	37	150	560	500			Cal/OSHA PEL
US	METHYL N-AMYL KETONE	110-43- 0	REL	100 (10 h)	465 (10 h)						NIOSH REL
US	METHYL N-AMYL KETONE	110-43- 0	PEL	100	465						29 CFR 1910.1000



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

### Occupational exposure limit values (Workplace Exposure Limits)

Co un try	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/ m <sup>3</sup> ]	STEL [ppm]	STEL [mg/ m <sup>3</sup> ]	Ceil- ing-C [ppm]	Ceil- ing-C [mg/ m <sup>3</sup> ]	Nota tion	Source
US	METHYL N-AMYL KETONE (2- HEPTANONE)	110-43- 0	PEL (CA)	50	235						Cal/OSHA PEL
US	N-BUTYL ACET- ATE	123-86- 4	PEL (CA)	150	710	200	950				Cal/OSHA PEL
US	N-BUTYL ACET- ATE	123-86- 4	REL	150 (10 h)	710 (10 h)	200	950				NIOSH REL
US	N-BUTYL ACET- ATE	123-86- 4	PEL	150	710						29 CFR 1910.1000
US	XYLENE, MIX- TURE OF ISO- MERS	1330- 20-7	PEL	100	435						29 CFR 1910.1000
US	XYLENE (DI- METHYLBEN- ZENE)	1330- 20-7	PEL (CA)	100	435	150	655	300			Cal/OSHA PEL
US	TITANIUM DIOX- IDE	13463- 67-7	PEL		15					I, dust	29 CFR 1910.1000
US	TITANIUM DIOX- IDE	13463- 67-7	REL							Low- est, appx- A	NIOSH REL
US	ISOPHORONE	78-59-1	REL	4 (10 h)	23 (10 h)						NIOSH REL
US	ISOPHORONE	78-59-1	PEL	25	140						29 CFR 1910.1000
US	ISOPHORONE (3,5,5-TRI- METHYL-2-CYC- LOHEXEN-1-ONE)	78-59-1	PEL (CA)	4	23						Cal/OSHA PEL

#### Notation

appx-A

Ceiling-C

dust

i

lowest

STEL

TWA

NIOSH Potential Occupational Carcinogen (Appendix A)

ceiling value is a limit value above which exposure should not occur

as dust

inhalable fraction

exposure by all routes should be carefully controlled to levels as low as possible

short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period

(unless otherwise specified)

time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

### Relevant DNELs of components of the mixture

NAME OF SUBSTANCE	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
XILENE	1330-20-7	DNEL	221 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Chronic - systemic effects
XILENE	1330-20-7	DNEL	442 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Acute - systemic effects
XILENE	1330-20-7	DNEL	221 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Chronic - local effects
XILENE	1330-20-7	DNEL	442 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Acute - local effects
XILENE	1330-20-7	DNEL	212 mg/kg bw/day	Human, dermal	Worker (industry)	Chronic - systemic effects
TOLUENE	108-88-3	DNEL	192 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Chronic - systemic effects
TOLUENE	108-88-3	DNEL	384 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Acute - systemic effects
TOLUENE	108-88-3	DNEL	192 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Chronic - local effects
TOLUENE	108-88-3	DNEL	384 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Acute - local effects
TOLUENE	108-88-3	DNEL	384 mg/kg bw/day	Human, dermal	Worker (industry)	Chronic - systemic effects
METHYL AMIL KETONE	110-43-0	DNEL	394.3 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Chronic - systemic effects
METHYL AMIL KETONE	110-43-0	DNEL	1,516 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Acute - systemic effects
METHYL AMIL KETONE	110-43-0	DNEL	54.27 mg/kg bw/day	Human, dermal	Worker (industry)	Chronic - systemic effects
METHOXY PROPYL ACETATE	108-65-6	DNEL	275 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Chronic - systemic effects
METHOXY PROPYL ACETATE	108-65-6	DNEL	550 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Acute - local effects





# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

### Relevant DNELs of components of the mixture

NAME OF SUBSTANCE	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
METHOXY PROPYL ACETATE	108-65-6	DNEL	796 mg/kg bw/day	Human, dermal	Worker (industry)	Chronic - systemic effects
ETHYL 3-ETHOXYPROPANOATE	763-69-9	DNEL	610 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Chronic - systemic effects
ETHYL 3-ETHOXYPROPANOATE	763-69-9	DNEL	610 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Chronic - local effects
ETHYL 3-ETHOXYPROPANOATE	763-69-9	DNEL	102 mg/kg bw/day	Human, dermal	Worker (industry)	Chronic - systemic effects
1,1,3-TRIMETHYL-3-CYCLOHEXEN-5-ONE	78-59-1	DNEL	11 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Chronic - systemic effects
1,1,3-TRIMETHYL-3-CYCLOHEXEN-5-ONE	78-59-1	DNEL	22 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Acute - systemic effects
1,1,3-TRIMETHYL-3-CYCLOHEXEN-5-ONE	78-59-1	DNEL	11 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Chronic - local effects
1,1,3-TRIMETHYL-3-CYCLOHEXEN-5-ONE	78-59-1	DNEL	22 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Acute - local effects
1,1,3-TRIMETHYL-3-CYCLOHEXEN-5-ONE	78-59-1	DNEL	20.5 mg/kg bw/day	Human, dermal	Worker (industry)	Chronic - systemic effects
1,1,3-TRIMETHYL-3-CYCLOHEXEN-5-ONE	78-59-1	DNEL	41 mg/kg bw/day	Human, dermal	Worker (industry)	Acute - systemic effects

### Relevant PNECs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
XILENE	1330-20-7	PNEC	0.327 mg/l	Aquatic organisms	Freshwater	Short-term (single instance)
XILENE	1330-20-7	PNEC	0.327 mg/l	Aquatic organisms	Marine water	Short-term (single instance)
XILENE	1330-20-7	PNEC	6.58 mg/l	Aquatic organisms	Sewage treatment plant (STP)	Short-term (single instance)



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

### Relevant PNECs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
XILENE	1330-20-7	PNEC	12.46 mg/kg	Aquatic organisms	Freshwater sediment	Short-term (single instance)
XILENE	1330-20-7	PNEC	12.46 mg/kg	Aquatic organisms	Marine sediment	Short-term (single instance)
XILENE	1330-20-7	PNEC	2.31 mg/kg	Terrestrial organisms	Soil	Short-term (single instance)
TOLUENE	108-88-3	PNEC	0.68 mg/l	Aquatic organisms	Freshwater	Short-term (single instance)
TOLUENE	108-88-3	PNEC	0.68 mg/l	Aquatic organisms	Marine water	Short-term (single instance)
TOLUENE	108-88-3	PNEC	13.61 mg/l	Aquatic organisms	Sewage treatment plant (STP)	Short-term (single instance)
TOLUENE	108-88-3	PNEC	16.39 mg/kg	Aquatic organisms	Freshwater sediment	Short-term (single instance)
TOLUENE	108-88-3	PNEC	16.39 mg/kg	Aquatic organisms	Marine sediment	Short-term (single instance)
TOLUENE	108-88-3	PNEC	2.89 mg/kg	Terrestrial organisms	Soil	Short-term (single instance)
METHYL AMIL KETONE	110-43-0	PNEC	0.098 mg/l	Aquatic organisms	Freshwater	Short-term (single instance)
METHYL AMIL KETONE	110-43-0	PNEC	0.01 mg/l	Aquatic organisms	Marine water	Short-term (single instance)
METHYL AMIL KETONE	110-43-0	PNEC	12.5 mg/l	Aquatic organisms	Sewage treatment plant (STP)	Short-term (single instance)
METHYL AMIL KETONE	110-43-0	PNEC	1.89 mg/kg	Aquatic organisms	Freshwater sediment	Short-term (single instance)



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

### Relevant PNECs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
METHYL AMIL KETONE	110-43-0	PNEC	0.189 mg/kg	Aquatic organisms	Marine sediment	Short-term (single instance)
METHYL AMIL KETONE	110-43-0	PNEC	0.321 mg/kg	Terrestrial organisms	Soil	Short-term (single instance)
METHOXY PROPYL ACETATE	108-65-6	PNEC	0.635 mg/l	Aquatic organisms	Freshwater	Short-term (single instance)
METHOXY PROPYL ACETATE	108-65-6	PNEC	0.064 mg/l	Aquatic organisms	Marine water	Short-term (single instance)
METHOXY PROPYL ACETATE	108-65-6	PNEC	100 mg/l	Aquatic organisms	Sewage treatment plant (STP)	Short-term (single instance)
METHOXY PROPYL ACETATE	108-65-6	PNEC	3.29 mg/kg	Aquatic organisms	Freshwater sediment	Short-term (single instance)
METHOXY PROPYL ACETATE	108-65-6	PNEC	0.329 mg/kg	Aquatic organisms	Marine sediment	Short-term (single instance)
METHOXY PROPYL ACETATE	108-65-6	PNEC	0.29 mg/kg	Terrestrial organisms	Soil	Short-term (single instance)
ETHYL 3-ETH-OXYPROPANOATE	763-69-9	PNEC	0.061 mg/l	Aquatic organisms	Freshwater	Short-term (single instance)
ETHYL 3-ETH-OXYPROPANOATE	763-69-9	PNEC	0.006 mg/l	Aquatic organisms	Marine water	Short-term (single instance)
ETHYL 3-ETH-OXYPROPANOATE	763-69-9	PNEC	50 mg/l	Aquatic organisms	Sewage treatment plant (STP)	Short-term (single instance)
ETHYL 3-ETH-OXYPROPANOATE	763-69-9	PNEC	0.419 mg/kg	Aquatic organisms	Freshwater sediment	Short-term (single instance)
ETHYL 3-ETH-OXYPROPANOATE	763-69-9	PNEC	0.042 mg/kg	Aquatic organisms	Marine sediment	Short-term (single instance)



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

### Relevant PNECs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
ETHYL 3-ETH-OXYPROPANOATE	763-69-9	PNEC	0.048 mg/kg	Terrestrial organisms	Soil	Short-term (single instance)
1,1,3-TRIMETHYL-3-CYCLOHEXEN-5-ONE	78-59-1	PNEC	0.089 mg/l	Aquatic organisms	Freshwater	Short-term (single instance)
1,1,3-TRIMETHYL-3-CYCLOHEXEN-5-ONE	78-59-1	PNEC	0.009 mg/l	Aquatic organisms	Marine water	Short-term (single instance)
1,1,3-TRIMETHYL-3-CYCLOHEXEN-5-ONE	78-59-1	PNEC	1 mg/l	Aquatic organisms	Sewage treatment plant (STP)	Short-term (single instance)
1,1,3-TRIMETHYL-3-CYCLOHEXEN-5-ONE	78-59-1	PNEC	0.839 mg/kg	Aquatic organisms	Freshwater sediment	Short-term (single instance)
1,1,3-TRIMETHYL-3-CYCLOHEXEN-5-ONE	78-59-1	PNEC	0.084 mg/kg	Aquatic organisms	Marine sediment	Short-term (single instance)
1,1,3-TRIMETHYL-3-CYCLOHEXEN-5-ONE	78-59-1	PNEC	0.12 mg/kg	Terrestrial organisms	Soil	Short-term (single instance)

## 8.2 Exposure controls

### Appropriate engineering controls

General ventilation.

### Individual protection measures (personal protective equipment)

#### Eye/face protection

Wear eye/face protection.

#### Skin protection

##### - Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### - Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	liquid
Color	YELLOW
Odor	characteristic
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	110.6 °C at 1,013 hPa
Flammability	flammable liquid in accordance with GHS criteria
Lower and upper explosion limit	1.2 vol% - 12 vol%
Flash point	0 °C at 1,013 hPa
Auto-ignition temperature	190 °C
Decomposition temperature	not relevant
pH (value)	not determined
Kinematic viscosity	not determined
Solubility(ies)	not determined

### Partition coefficient

Partition coefficient n-octanol/water (log value)	this information is not available
---	-----------------------------------

Vapor pressure	0.448 PSI at 70 °F
----------------	--------------------



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

### Density and/or relative density

Density	0.99 – 1.01 g/cm <sup>3</sup> at 25 °C
---------	--

Particle characteristics	no data available
--------------------------	-------------------

### 9.2 Other information

Information with regard to physical hazard classes	there is no additional information
--	------------------------------------

### Other safety characteristics

Solvent content	66.47 %
Solid content	10.65 – 10.65 %
Temperature class (USA, acc. to NEC 500)	T3A (maximum permissible surface temperature on the equipment: 180°C)

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

### 10.5 Incompatible materials

Oxidizers



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

#### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

#### Acute toxicity

Shall not be classified as acutely toxic.

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/eye irritation

Causes serious eye irritation.

#### Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

#### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

#### Carcinogenicity

Shall not be classified as carcinogenic.

#### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

Name of substance	CAS No	Classification	Number
XILENE	1330-20-7	3	
TOLUENE	108-88-3	3	

#### Legend

3 Not classifiable as to carcinogenicity in humans

#### Reproductive toxicity

Suspected of damaging the unborn child.

#### Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

Specific target organ toxicity - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

### 11.2 Information on other hazards

There is no additional information.

## SECTION 12: Ecological information

### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

### 12.2 Persistence and degradability

Data are not available.

### 12.3 Bioaccumulative potential

Data are not available.

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

Data are not available.

### 12.6 Endocrine disrupting properties

Information on this property is not available.

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.





# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D


## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

### SECTION 14: Transport information

<b>14.1 UN number</b>	1263
DOT	UN 1993
IMDG-Code	UN 1993
ICAO-TI	UN 1993
<b>14.2 UN proper shipping name</b>	PAINT
DOT	Flammable liquid, n.o.s.
IMDG-Code	FLAMMABLE LIQUID, N.O.S.
ICAO-TI	Flammable liquid, n.o.s.
<b>14.3 Transport hazard class(es)</b>	
DOT	3
IMDG-Code	3
ICAO-TI	3
<b>14.4 Packing group</b>	
DOT	II
IMDG-Code	II
ICAO-TI	II
<b>14.5 Environmental hazards</b>	none
<b>14.6 Special precautions for user</b>	there is no additional information
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	
<b>Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information</b>	
Particulars in the shipper's declaration	UN1993, Flammable liquid, n.o.s., 3, II
Reportable quantity (RQ)	743.5 lbs (337.5 kg) (XILENE) (TOLUENE)
Danger label(s)	3
	
Special provisions (SP)	IB2, T7, TP1, TP8, TP28
ERG No	128



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations specific for the product in question

##### National regulations (United States)

##### Superfund Amendment and Reauthorization Act (SARA TITLE III )

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

- Specific Toxic Chemical Listings (EPCRA Section 313)

Toxics Release Inventory: Specific Toxic Chemical Listings

Name of substance	CAS No	Remarks	Effective date
XILENE	1330-20-7		1986-12-31
TOLUENE	108-88-3		1986-12-31

##### Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

Name of substance	CAS No	Remarks	Statutory code	Final RQ pounds (Kg)
1,1,3-TRIMETHYL-3-CYCLOHEXEN-5-ONE	78-59-1		2 3	5000 (2270)
BUTYL ACETATE	123-86-4		1	5000 (2270)
XILENE	1330-20-7		1 3 4	100 (45,4)
TOLUENE	108-88-3		1 2 3 4	1000 (454)

##### Legend

- 1 "1" indicates that the statutory source is section 311(b)(2) of the Clean Water Act
- 2 "2" indicates that the source is section 307(a) of the Clean Water Act
- 3 "3" indicates that the source is section 112 of the Clean Air Act
- 4 "4" indicates that the source is section 3001 of the Resource Conservation and Recovery Act (RCRA)

##### Clean Air Act

none of the ingredients are listed



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

### Right to Know Hazardous Substance List

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
1,1,3-trimethyl-3-cyclohexen-5-one	78-59-1		CA F2 R1
METHYL AMIL KETONE	110-43-0		F2
BUTYL ACETATE	123-86-4		F3
XILENE	1330-20-7		F3
TOLUENE	108-88-3		TE F3

#### Legend

CA	Carcinogenic
F2	Flammable - Second Degree
F3	Flammable - Third Degree
R1	Reactive - First Degree
TE	Teratogenic

### California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
Toluene	108-88-3		Develop-mental

### Industry or sector specific available guidance(s)

#### NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	Chronic (long-term) health effects may result from repeated overexposure
Health	2	Temporary or minor injury may occur
Flammability	3	Material that can be ignited under almost all ambient temperature conditions
Physical hazard	0	Material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

### NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	3	Material that can be ignited under almost all ambient temperature conditions
Health	2	Material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	Material that is normally stable, even under fire conditions
Special hazard		

### National inventories

Country	Inventory	Status
US	TSCA	Not all ingredients are listed

Legend

TSCA Toxic Substance Control Act

### 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information, including date of preparation or last revision

### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
29 CFR 1910.1000	29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)
29 CFR 1910.1200 App D	OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200 - Appendix D - Safety Data Sheets
49 CFR US DOT	49 CFR U.S. Department of Transportation
Cal/OSHA PEL	California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs)
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
DOT	Department of Transportation (USA)



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

Abbr.	Descriptions of used abbreviations
ERG No	Emergency Response Guidebook - Number
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
NIOSH REL	National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible exposure limit
PNEC	Predicted No-Effect Concentration
Ppm	Parts per million
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
STEL	Short-term exposure limit
TWA	Time-weighted average
VPvB	Very Persistent and very Bioaccumulative

### Key literature references and sources for data

Globally Harmonized System of Classification and Labelling of Chemicals ("Purple book").

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in chapter 2 and 3)



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## ORION SS MEDIUM YELLOW OS-773

Date of compilation: 2022-02-01

Code	Text
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.