



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OYIDE RED OS 754 S275-OS-754

Revision: 2022-04-19

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

#### 1.1 Product identifier

Trade name **ORION SS OXIDE RED**  
Alternative number(s) OS 754

#### 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: Hazards 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             |
| 3.1I    | Acute toxicity (inhal.)   | 5        | Acute Tox. 5              | H333             |
| 3.2     | Skin corrosion/irritation   | 2        | Skin Irrit. 2             | H315             |
| 3.3     | Serious eye damage/eye irritation   | 2        | Eye Irrit. 2              | H319             |
| 3.4S    | Skin sensitisation  | 1        | Skin Sens. 1              | H317             |
| 3.7     | Reproductive toxicity   | 2        | Repr. 2                   | H361             |
| 3.8R    | Specific target organ toxicity - single exposure (respiratory tract irritation) | 3        | STOT SE 3                 | H335             |
| 3.8D    | Specific target organ toxicity - single exposure (narcotic effects, drowsiness) | 3        | STOT SE 3                 | H336             |



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

| Section | Hazard class  | Category | Hazard class and category | Hazard statement |
|---------|---|----------|---------------------------|------------------|
| 3.9     | Specific target organ toxicity - repeated exposure    | 2        | STOT RE 2                 | H373             |
| 3.10    | Aspiration hazard                                     | 1        | Asp. Tox. 1               | H304             |
| 4.1C    | Hazardous to the aquatic environment - chronic hazard | 3        | Aquatic Chronic 3         | H412             |

For full text of abbreviations: see SECTION 16.

### 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. Spillage and fire water can cause pollution of watercourses.

## 2.2 Label elements

### Labelling

- 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.
- H317            May cause an allergic skin reaction.
- H319            Causes serious eye irritation.
- H333            May be harmful if inhaled.
- H335            May cause respiratory irritation.
- H336            May cause drowsiness or dizziness.
- H361            Suspected of damaging fertility or the unborn child.
- H373            May cause damage to organs through prolonged or repeated exposure.
- H412            Harmful to aquatic life with long lasting effects.

- 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.
- P272            Contaminated work clothing should not be allowed out of the workplace.
- P273            Avoid release to the environment.
- P280            Wear protective gloves.
- P301+P310    IF SWALLOWED: Immediately call a POISON CENTER/doctor.



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

### - Precautionary statements

|                |  |
|----------------|--|
| 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+P312      | IF INHALED: Call a POISON CENTER/doctor if you feel unwell.  |
| 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.  |

### 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 |
| XILENE                  | CAS No 1330-20-7   | 10 - < 25 |
| RESINA                  |                    | 10 - < 25 |
| BUTYL ACETATE           | CAS No 123-86-4    | 5 - < 10  |
| T-BUTYL ALCOHOL         | CAS No 75-65-0     | 1 - < 5   |
| CYCLOHEXANONE           | CAS No 108-94-1    | 1 - < 5   |
| DIACETONE ALCOHOL       | CAS No 123-42-2    | 1 - < 5   |
| Cera de amida sintética | CAS No Propietario | 1 - < 5   |
| DISPERSING ADDITIVE     | CAS No Propietario | 1 - < 5   |



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

| Name of substance                  | Identifier            | Wt%     |
|------------------------------------|-----------------------|---------|
| SOLVENTE STODDARD                  | CAS No<br>8052-41-3   | 1 - < 5 |
| RESIN                              | CAS No<br>Propietario | 1 - < 5 |
| 1,1,3-trimethyl-3-cyclohexen-5-one | CAS No<br>78-59-1     | < 1     |
| HIDROCARBURO AROMÁTICO             | CAS No<br>64742-95-6  | < 1     |
| TOLUENE                            | CAS No<br>108-88-3    | < 1     |
| ADITIVO DISPERSANTE                | CAS No<br>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.

##### 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



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

### SECTION 5: Firefighting 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 vapour-air mixture. Solvent vapours 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

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. Co-ordinate 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.

### 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 vapours/dust/spray/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.



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

### 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. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours 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.

### 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

Keep any substance that emits harmful vapours or gases in a place that allows these to be permanently extracted. 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.



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

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

| Co-<br>un-<br>try | Name of agent                        | CAS<br>No | Identifier | TWA<br>[ppm] | TWA<br>[mg/<br>m <sup>3</sup> ] | STEL<br>[ppm] | STEL<br>[mg/<br>m <sup>3</sup> ] | Ceil-<br>ing-C<br>[ppm] | Ceil-<br>ing-C<br>[mg/<br>m <sup>3</sup> ] | Nota<br>tion | Source       |
|-------------------|--------------------------------------|-----------|------------|--------------|---------------------------------|---------------|----------------------------------|-------------------------|--|--------------|--------------|
| MX                | TOLUENE                              | 108-88-3  | VLE        | 20           |                                 |               |                                  |                         |  |              | NOM-010-STPS |
| MX                | CYCLOHEXAN-<br>ONE                   | 108-94-1  | VLE        | 20           |                                 | 50            |                                  |                         |  |              | NOM-010-STPS |
| MX                | DIACETONE AL-<br>COHOL               | 123-42-2  | VLE        | 50           |                                 |               |                                  |                         |  |              | NOM-010-STPS |
| MX                | N-BUTYL ACET-<br>ATE                 | 123-86-4  | VLE        | 150          |                                 | 200           |                                  |                         |  |              | NOM-010-STPS |
| MX                | XYLENE, MIX-<br>TURE OF ISO-<br>MERS | 1330-20-7 | VLE        | 100          |                                 | 150           |                                  |                         |  |              | NOM-010-STPS |
| MX                | TERT-BUTANOL                         | 75-65-0   | VLE        | 100          |                                 |               |                                  |                         |  |              | NOM-010-STPS |
| MX                | ISOPHORONE                           | 78-59-1   | VLE        |              |                                 | 5             |                                  |                         |  |              | NOM-010-STPS |
| MX                | STODDARD<br>SOLVENT                  | 8052-41-3 | VLE        | 100          |                                 |               |                                  |                         |  |              | NOM-010-STPS |

##### Notation

##### Ceiling-C

##### STEL

##### TWA

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

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)

##### Biological limit values

| Country | Name of agent | Parameter    | Notation | Identifier | Value     | Source       |
|---------|---------------|--------------|----------|------------|-----------|--------------|
| MX      | TOLUENE       | o-Cresol     |          | IBE        | 0.5 mg/l  | NOM-047-SSA1 |
| MX      | TOLUENE       | Toluene      |          | IBE        | 0.05 mg/l | NOM-047-SSA1 |
| MX      | CYCLOHEXANONE | Cyclohexanol |          | IBE        | 8 mg/l    | NOM-047-SSA1 |



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

### Biological limit values

| Country | Name of agent              | Parameter           | Notation | Identifier | Value   | Source       |
|---------|----------------------------|---------------------|----------|------------|---------|--------------|
| MX      | CYCLOHEXANONE              | 1,2-cyclohexanediol | Hydr     | IBE        | 80 mg/l | NOM-047-SSA1 |
| MX      | XYLENE, MIXTURE OF ISOMERS | Methylhippuric acid | Crea     | IBE        | 1.5 g/g | NOM-047-SSA1 |

#### Notation

crea creatinine  
hydr hydrolysis

### 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 |
| DIACETONE ALCOHOL | 123-42-2  | DNEL     | 59.2 mg/m <sup>3</sup> | Human, inhalatory                  | Worker (industry) | Chronic - systemic effects |
| DIACETONE ALCOHOL | 123-42-2  | DNEL     | 240 mg/m <sup>3</sup>  | Human, inhalatory                  | Worker (industry) | Acute - local effects      |
| DIACETONE ALCOHOL | 123-42-2  | DNEL     | 840 mg/kg bw/day       | Human, dermal                      | Worker (industry) | Chronic - systemic effects |
| T-BUTYL ALCOHOL   | 75-65-0   | DNEL     | 2.7 mg/m <sup>3</sup>  | Human, inhalatory                  | Worker (industry) | Chronic - systemic effects |
| T-BUTYL ALCOHOL   | 75-65-0   | DNEL     | 214 mg/m <sup>3</sup>  | Human, inhalatory                  | Worker (industry) | Acute - systemic effects   |





# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

| Relevant DNELs of components of the mixture |           |          |                       |                                    |                   |                            |
|---|-----------|----------|-----------------------|------------------------------------|-------------------|----------------------------|
| NAME OF SUBSTANCE                           | CAS No    | Endpoint | Threshold level       | Protection goal, route of exposure | Used in           | Exposure time              |
| T-BUTYL ALCOHOL                             | 75-65-0   | DNEL     | 5.5 mg/kg bw/day      | Human, dermal                      | Worker (industry) | Chronic - systemic effects |
| SOLVENTE STODDARD                           | 8052-41-3 | DNEL     | 44 mg/m <sup>3</sup>  | Human, inhalatory                  | Worker (industry) | Chronic - systemic effects |
| SOLVENTE STODDARD                           | 8052-41-3 | DNEL     | 55 mg/m <sup>3</sup>  | Human, inhalatory                  | Worker (industry) | Acute - systemic effects   |
| SOLVENTE STODDARD                           | 8052-41-3 | DNEL     | 44 mg/m <sup>3</sup>  | Human, inhalatory                  | Worker (industry) | Chronic - local effects    |
| SOLVENTE STODDARD                           | 8052-41-3 | DNEL     | 55 mg/m <sup>3</sup>  | Human, inhalatory                  | Worker (industry) | Acute - local effects      |
| SOLVENTE STODDARD                           | 8052-41-3 | DNEL     | 80 mg/kg bw/day       | Human, dermal                      | Worker (industry) | Chronic - systemic effects |
| SOLVENTE STODDARD                           | 8052-41-3 | DNEL     | 30 mg/kg bw/day       | Human, dermal                      | 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 - 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   |
| 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    |



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

### Relevant DNELs of components of the mixture

| NAME OF SUBSTANCE      | CAS No     | Endpoint | Threshold level       | Protection goal, route of exposure | Used in           | Exposure time              |
|------------------------|------------|----------|-----------------------|------------------------------------|-------------------|----------------------------|
| 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 |
| HIDROCARBURO AROMÁTICO | 64742-95-6 | DNEL     | 150 mg/m <sup>3</sup> | Human, inhalatory                  | Worker (industry) | Chronic - systemic effects |
| HIDROCARBURO AROMÁTICO | 64742-95-6 | DNEL     | 25 mg/kg bw/day       | Human, dermal                      | Worker (industry) | Chronic - 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) |
| 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) |
| DIACETONE ALCOHOL | 123-42-2  | PNEC     | 2 mg/l          | Aquatic organisms     | Freshwater                   | Short-term (single instance) |
| DIACETONE ALCOHOL | 123-42-2  | PNEC     | 0.2 mg/l        | Aquatic organisms     | Marine water                 | Short-term (single instance) |



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

### Relevant PNECs of components of the mixture

| Name of substance | CAS No    | Endpoint | Threshold level | Organism              | Environmental compartment    | Exposure time                |
|-------------------|-----------|----------|-----------------|-----------------------|------------------------------|------------------------------|
| DIACETONE ALCOHOL | 123-42-2  | PNEC     | 10 mg/l         | Aquatic organisms     | Sewage treatment plant (STP) | Short-term (single instance) |
| DIACETONE ALCOHOL | 123-42-2  | PNEC     | 9.06 mg/kg      | Aquatic organisms     | Freshwater sediment          | Short-term (single instance) |
| DIACETONE ALCOHOL | 123-42-2  | PNEC     | 0.91 mg/kg      | Aquatic organisms     | Marine sediment              | Short-term (single instance) |
| DIACETONE ALCOHOL | 123-42-2  | PNEC     | 0.63 mg/kg      | Terrestrial organisms | Soil                         | Short-term (single instance) |
| T-BUTYL ALCOHOL   | 75-65-0   | PNEC     | 2 mg/l          | Aquatic organisms     | Freshwater                   | Short-term (single instance) |
| T-BUTYL ALCOHOL   | 75-65-0   | PNEC     | 0.2 mg/l        | Aquatic organisms     | Marine water                 | Short-term (single instance) |
| T-BUTYL ALCOHOL   | 75-65-0   | PNEC     | 690 mg/l        | Aquatic organisms     | Sewage treatment plant (STP) | Short-term (single instance) |
| T-BUTYL ALCOHOL   | 75-65-0   | PNEC     | 8.04 mg/kg      | Aquatic organisms     | Freshwater sediment          | Short-term (single instance) |
| T-BUTYL ALCOHOL   | 75-65-0   | PNEC     | 0.804 mg/kg     | Aquatic organisms     | Marine sediment              | Short-term (single instance) |
| T-BUTYL ALCOHOL   | 75-65-0   | PNEC     | 1 mg/kg         | Terrestrial organisms | Soil                         | Short-term (single instance) |
| SOLVENTE STODDARD | 8052-41-3 | PNEC     | 0.14 mg/l       | Aquatic organisms     | Freshwater                   | Short-term (single instance) |
| SOLVENTE STODDARD | 8052-41-3 | PNEC     | 0.35 mg/l       | Aquatic organisms     | Marine water                 | Short-term (single instance) |
| SOLVENTE STODDARD | 8052-41-3 | PNEC     | 1.14 mg/kg      | Aquatic organisms     | Freshwater sediment          | Short-term (single instance) |



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

### Relevant PNECs of components of the mixture

| Name of substance                  | CAS No    | Endpoint | Threshold level | Organism              | Environmental compartment    | Exposure time                |
|------------------------------------|-----------|----------|-----------------|-----------------------|------------------------------|------------------------------|
| SOLVENTE STANDARD                  | 8052-41-3 | PNEC     | 0.14 mg/kg      | Aquatic organisms     | Marine sediment              | 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) |
| 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) |



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

### 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.

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   |
| Colour   | Red rust   |
| Odour  | Aromatic   |
| Melting point/freezing point                             | not determined                                   |
| Boiling point or initial boiling point and boiling range | 82.41 °C at 101.3 kPa                            |
| Flammability   | flammable liquid in accordance with GHS criteria |
| Lower and upper explosion limit                          | 2.4 vol% - 8 vol%                                |
| Flash point  | <23 °C   |



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

|                           |                |
|---------------------------|----------------|
| 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 |
|---|-----------------------------------|

|                 |                   |
|-----------------|-------------------|
| Vapour pressure | 5,413 Pa at 25 °C |
|-----------------|-------------------|

### Density and/or relative density

|         |  |
|---------|--|
| Density | 0.98 – 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                          | 70.82 %   |
| Solid content                            | 49.5 – 52.5 %   |
| Temperature class (USA, acc. to NEC 500) | T3A (maximum permissible surface temperature on the equipment: 180°C) |



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

### 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

Oxidisers

#### 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 GHS

Acute toxicity

May be harmful if inhaled.

- Acute toxicity estimate (ATE)

Inhalation: vapour 44.26 mg/l/4h

Skin corrosion/irritation

Causes skin irritation.



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

### Serious eye damage/eye irritation

Causes serious eye irritation.

### Respiratory or skin sensitisation

May cause an allergic skin reaction.

### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

### Carcinogenicity

Shall not be classified as carcinogenic.

### Reproductive toxicity

Suspected of damaging the unborn child. Suspected of damaging fertility.

### Specific target organ toxicity - single exposure

May cause respiratory irritation. May cause drowsiness or dizziness.

### 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

Harmful to aquatic life with long lasting effects.

| Aquatic toxicity (chronic) of components of the mixture |           |          |           |                       |               |
|---|-----------|----------|-----------|-----------------------|---------------|
| Name of substance                                       | CAS No    | Endpoint | Value     | Species               | Exposure time |
| XILENE  | 1330-20-7 | EL50     | 2.9 mg/l  | Aquatic invertebrates | 21 d          |
| XILENE  | 1330-20-7 | ErC50    | 4.36 mg/l | Algae                 | 73 h          |
| XILENE  | 1330-20-7 | EC50     | 2.2 mg/l  | Algae                 | 73 h          |
| BUTYL ACETATE   | 123-86-4  | EC50     | 34.2 mg/l | Aquatic invertebrates | 21 d          |
| BUTYL ACETATE   | 123-86-4  | LC50     | 43.5 mg/l | Aquatic invertebrates | 21 d          |
| BUTYL ACETATE   | 123-86-4  | ErC50    | 335 mg/l  | Algae                 | 24 h          |
| DIACETONE ALCOHOL                                       | 123-42-2  | LC50     | >100 mg/l | Aquatic invertebrates | 14 d          |





# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

### Aquatic toxicity (chronic) of components of the mixture

| Name of substance                  | CAS No     | Endpoint | Value       | Species               | Exposure time |
|------------------------------------|------------|----------|-------------|-----------------------|---------------|
| DIACETONE ALCOHOL                  | 123-42-2   | EC50     | >100 mg/l   | Aquatic invertebrates | 14 d          |
| T-BUTYL ALCOHOL                    | 75-65-0    | EC50     | >100 mg/l   | Aquatic invertebrates | 21 d          |
| CYCLOHEXANONE                      | 108-94-1   | EC50     | >1,000 mg/l | Microorganisms        | 30 min        |
| SOLVENTE STODDARD                  | 8052-41-3  | EL50     | 1.19 mg/l   | Aquatic invertebrates | 21 d          |
| SOLVENTE STODDARD                  | 8052-41-3  | EC50     | 0.33 mg/l   | Aquatic invertebrates | 21 d          |
| 1,1,3-trimethyl-3-cyclohexen-5-one | 78-59-1    | LC50     | 430 mg/l    | Aquatic invertebrates | 24 h          |
| 1,1,3-trimethyl-3-cyclohexen-5-one | 78-59-1    | EC50     | 100 mg/l    | Microorganisms        | 3 h           |
| TOLUENE                            | 108-88-3   | LC50     | 3.78 mg/l   | Aquatic invertebrates | 2 d           |
| TOLUENE                            | 108-88-3   | EC50     | 3.23 mg/l   | Aquatic invertebrates | 7 d           |
| HIDROCARBURO AROMÁTICO             | 64742-95-6 | EL50     | 4.1 mg/l    | Aquatic invertebrates | 24 h          |
| HIDROCARBURO AROMÁTICO             | 64742-95-6 | EC50     | >99 mg/l    | Microorganisms        | 10 min        |

### 12.2 Persistence and degradability

#### Degradability of components of the mixture

| Name of substance | CAS No   | Process          | Degradation rate | Time | Method | Source |
|-------------------|----------|------------------|------------------|------|--------|--------|
| CYCLOHEXANONE     | 108-94-1 | Oxygen depletion | 90 - 100 %       | 28 d |        | ECHA   |

### 12.3 Bioaccumulative potential

Data are not available.

#### Bioaccumulative potential of components of the mixture

| Name of substance | CAS No    | BCF          | Log KOW                  | BOD5/COD |
|-------------------|-----------|--------------|--------------------------|----------|
| XILENE            | 1330-20-7 | >5.5 - <12.2 | 3.2 (pH value: 7, 20 °C) |          |
| BUTYL ACETATE     | 123-86-4  |              | 2.3 (pH value: 7, 25 °C) |          |



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

### Bioaccumulative potential of components of the mixture

| Name of substance                  | CAS No    | BCF | Log KOW                   | BOD5/COD |
|------------------------------------|-----------|-----|---------------------------|----------|
| T-BUTYL ALCOHOL                    | 75-65-0   |     | 0.317 (22.5 °C)<br>0.37   |          |
| CYCLOHEXANONE                      | 108-94-1  |     | 0.86 (25 °C)              |          |
| SOLVENTE STODDARD                  | 8052-41-3 |     | 3.5 (20 °C)               |          |
| 1,1,3-trimethyl-3-cyclohexen-5-one | 78-59-1   | 7   | 1.67 (20 °C)              |          |
| TOLUENE                            | 108-88-3  | 90  | 2.73 (pH value: 7, 20 °C) |          |

#### 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/packagings

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

#### 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.



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

### SECTION 14: Transport information

|   |                                    |
|---|------------------------------------|
| <b>14.1 UN number</b>   | 1263                               |
| UN RTDG   | UN 1263                            |
| IMDG-Code   | UN 1263                            |
| ICAO-TI   | UN 1263                            |
| <b>14.2 UN proper shipping name</b>                                 | PAINT                              |
| UN RTDG   | PAINT                              |
| IMDG-Code   | PAINT                              |
| ICAO-TI   | Paint                              |
| <b>14.3 Transport hazard class(es)</b>                              |                                    |
| UN RTDG   | 3                                  |
| IMDG-Code   | 3                                  |
| ICAO-TI   | 3                                  |
| <b>14.4 Packing group</b>   | III                                |
| UN RTDG   | III                                |
| IMDG-Code   | III                                |
| ICAO-TI   | III                                |
| <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> |                                    |

### SECTION 15: Regulatory information

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

There is no additional information.

##### 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



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

### - Specific Toxic Chemical Listings (EPCRA Section 313)

| Toxics Release Inventory |           |         |                |
|--------------------------|-----------|---------|----------------|
| Name of substance        | CAS No    | Remarks | Effective date |
| T-BUTYL ALCOHOL          | 75-65-0   |         | 1986-12-31     |
| 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<br>3           | 5000 (2270)          |
| CYCLOHEXANONE                      | 108-94-1  |         | 4                | 5000 (2270)          |
| BUTYL ACETATE                      | 123-86-4  |         | 1                | 5000 (2270)          |
| XILENE                             | 1330-20-7 |         | 1<br>3<br>4      | 100 (45,4)           |
| TOLUENE                            | 108-88-3  |         | 1<br>2<br>3<br>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

### 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<br>F2<br>R1  |
| T-BUTYL ALCOHOL                    | 75-65-0 |         | F3              |



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

| Name of substance | CAS No    | Remarks | Classifications |
|-------------------|-----------|---------|-----------------|
| CYCLOHEXANONE     | 108-94-1  |         | F2              |
| DIACETONE ALCOHOL | 123-42-2  |         | F2              |
| SOLVENTE STODDARD | 8052-41-3 |         | F2              |
| BUTYL ACETATE     | 123-86-4  |         | F3              |
| XILENE            | 1330-20-7 |         | F3              |
| TOLUENE           | 108-88-3  |         | TE<br>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 1986

| 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 | -      |  |

#### NFPA® 704

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



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

| 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

### Abbreviations and acronyms

| Abbr.     | Descriptions of used abbreviations   |
|-----------|--|
| BCF       | Bioconcentration factor  |
| BOD       | Biochemical Oxygen Demand  |
| CAS       | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)   |
| Ceiling-C | Ceiling value  |
| COD       | Chemical oxygen demand   |
| DGR       | Dangerous Goods Regulations (see IATA/DGR)   |
| DNEL      | Derived No-Effect Level  |
| EC50      | Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval |
| EL50      | Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms   |
| ErC50     | ≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control           |
| GHS       | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations  |



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

| Abbr.                                     | Descriptions of used abbreviations   |
|---|--|
| 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  |
| LC50                                      | Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval  |
| Log KOW                                   | n-Octanol/water  |
| NOM-010-STPS                              | NORMA Oficial Mexicana NOM-010-STPS: Agentes químicos contaminantes del ambiente laboral-Reconocimiento, evaluación y control  |
| NOM-018-STPS-2015 and NMX-R-019-SCFI-2011 | Mexican Official Standard NOM-018-STPS-2015, harmonized system on the identification of chemical hazards and its related hazard communication at the workplace and NMX-R-019-SCFI-2011 harmonized system of classification and hazard communication of chemicals |
| NOM-047-SSA1                              | Oficial Mexicana NOM-047-SSA1, Salud ambiental-Indices biológicos de exposición para el personal ocupacionalmente expuesto a sustancias químicas   |
| NPCA-HMIS® III                            | National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition  |
| PBT                                       | Persistent, Bioaccumulative and Toxic  |
| 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  |
| UN RTDG                                   | UN Recommendations on the Transport of Dangerous Good  |
| VLE                                       | Workplace exposure limit   |
| VPvB                                      | Very Persistent and very Bioaccumulative   |

### Key literature references and sources for data

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

UN Recommendations on the Transport of Dangerous Good. 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).



# Safety Data Sheet

acc. to NOM-018-STPS-2015 and NMX-R-019-SCFI-2011

## ORION SS OXIDE RED OS 754

Revision: 2022-04-19

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

| Code | Text   |
|------|--|
| H225 | Highly flammable liquid and vapour.                                |
| H304 | May be fatal if swallowed and enters airways.                      |
| H315 | Causes skin irritation.  |
| H317 | May cause an allergic skin reaction.                               |
| H319 | Causes serious eye irritation.                                     |
| H333 | May be harmful if inhaled.   |
| H335 | May cause respiratory irritation.                                  |
| H336 | May cause drowsiness or dizziness.                                 |
| H361 | Suspected of damaging fertility or the unborn child.               |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H412 | Harmful to aquatic life with long lasting effects.                 |

### Disclaimer

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