

STO 04J

# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by  
Regulation(EU) No. 2020/878

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

### 1.1 Product identifier

Product name: STO 04J

Chemical name	None.
INDEX No.	Not applicable
CAS-No.	301-10-0
EC No.	206-108-6
REACH Registration No.	01-2119485798-13-XXXX

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

Identified uses: Used in the manufacturing of polyurethane foam.

Uses advised against: None known.

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

**Manufacturer/Importer/Distributor Information** : Momentive Performance Materials GmbH  
Chempark Leverkusen Gebaeude V7  
DE - 51368 Leverkusen  
Germany

**Contact person** : commercial.services@momentive.com

**Telephone** : General information  
+390510924300 (Customer Service Centre)

### 1.4

**Emergency telephone number** : Europe, Israel & All other: +44 (0) 1235239670; Middle East:+44  
(0) 1235239671

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

**Classification according to Regulation (EC) No 1272/2008 as amended.**

#### Health Hazards

Serious eye damage	Category 1	H318: Causes serious eye damage.
Skin sensitizer	Category 1	H317: May cause an allergic skin reaction.
Toxic to reproduction	Category 1B	H360D: May damage the unborn child.

#### Environmental Hazards

Chronic hazards to the aquatic environment	Category 3	H412: Harmful to aquatic life with long lasting effects.
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**2.2 Label Elements**

**Contains:** STANNOUS OCTOATE  
 2-Ethylhexanoic acid



**Signal Words:** Danger

**Hazard Statement(s):** H318: Causes serious eye damage.  
 H317: May cause an allergic skin reaction.  
 H360D: May damage the unborn child.  
 H412: Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention:** P201: Obtain special instructions before use.  
 P202: Do not handle until all safety precautions have been read and understood.  
 P261: Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P273: Avoid release to the environment.  
 P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:** P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
 P362+P364: Take off contaminated clothing and wash it before reuse.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310: Immediately call a POISON CENTER or doctor/ physician.  
 P308+P313: IF exposed or concerned: Get medical advice/attention.

**Disposal:** P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

**Supplemental label information**

: Restricted to professional users.

**Unknown toxicity - Health**

Acute toxicity, oral	0 %
Acute toxicity, dermal	0 %
Acute toxicity, inhalation, vapor	0 %
Acute toxicity, inhalation, dust or mist	0 %

**Unknown toxicity - Environment**

Acute hazards to the aquatic environment	0 %
Chronic hazards to the aquatic environment	0 %

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**Additional Information:** No data available.

**2.3 Other hazards**

**Endocrine disrupting properties-Toxicity**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Endocrine disrupting properties-Ecotoxicity**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**SECTION 3: Composition/information on ingredients**

**Chemical nature:** Stannous octoate

**3.1 Substances**

**General information:** No data available.  
**Chemical name**  
**INDEX No.:** Not applicable  
**CAS-No.:** 301-10-0  
**EC No.:** 206-108-6  
**REACH Registration No.:** 01-2119485798-13-XXXX  
**M-Factor:** Not applicable

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
STANNOUS OCTOATE	50 - <100%	301-10-0	206-108-6	01-2119485798-13-XXXX	Not applicable	
2-Ethylhexanoic acid	1 - <5%	149-57-5	205-743-6	01-2119488942-23-XXXX	Not applicable	

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

# This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

**SECTION 4: First aid measures**

**General:** No action shall be taken involving any personal risk or without suitable training.

**4.1 Description of first aid measures**

**Inhalation:** Move the exposed person to fresh air at once. Remove from contaminated area. Apply artificial respiration if not breathing. Call a physician or poison control center immediately. For breathing difficulties, oxygen may be necessary.

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**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention without delay, preferably from an ophthalmologist.

**Skin Contact:** Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if symptoms persist. Wash contaminated clothing before reuse.

**Ingestion:** Do NOT induce vomiting. If conscious, drink plenty of water. Seek medical attention.

**4.2 Most important symptoms and effects, both acute and delayed:** No data available.

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

**Hazards:** No data available.

**Treatment:** No data available.

**SECTION 5: Firefighting measures**

**General Fire Hazards:** Do not use water jet as an extinguisher, as this will spread the fire. Use water spray to keep fire-exposed containers cool.

**5.1 Extinguishing media Suitable extinguishing media:** Alcohol resistant foam. Carbon dioxide Dry chemical.

**Unsuitable extinguishing media:** Avoid water in straight hose stream; will scatter and spread fire.

**5.2 Special hazards arising from the substance or mixture:** In case of fire, carbon monoxide and carbon dioxide may be formed.

**5.3 Advice for firefighters Special fire-fighting procedures:** Take precautionary measures against static discharges. To prevent and minimize fire or explosion risk from static accumulation and discharge, effectively bond and/or ground product transfer system.

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus and protective clothing.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:** Avoid contact with eyes, skin, and clothing. Avoid contact with liquid and vapors. Use personal protective equipment. Use only in well-ventilated areas.

**6.2 Environmental Precautions:** Do not allow runoff to sewer, waterway or ground.

**6.3 Methods and material for containment and cleaning up:** Absorb spillage with suitable absorbent material. Shovel up and place in a container for salvage or disposal.

**6.4 Reference to other sections:** Remove sources of ignition. In case of spills, beware of slippery floors and surfaces. See Section 8 of the SDS for Personal Protective Equipment. Collect and dispose of spillage as indicated in section 13 of the SDS.

**SECTION 7: Handling and storage:**

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<b>7.1 Precautions for safe handling:</b>	Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Wash hands after handling. Provide adequate ventilation. Avoid inhalation of dust and vapors.
<b>Storage conditions:</b>	Keep container tightly closed. Keep away from sources of ignition - No smoking.
<b>7.2 Conditions for safe storage, including any incompatibilities:</b>	Store in original container. below 43 ° C Keep away from sources of ignition - No smoking.
<b>Storage Stability:</b>	Material is stable under normal conditions.
<b>7.3 Specific end use(s):</b>	No data available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control Parameters**

**Occupational Exposure Limits**

None of the components have assigned exposure limits.

**Biological Limit Values**

None.

**8.2 Exposure controls**

**Appropriate Engineering Controls:**

Provide eyewash station and safety shower. General (mechanical) room ventilation is expected to be satisfactory if handled at low temperatures or in covered equipment. Provide adequate ventilation if fumes or vapors are generated.

**Individual protection measures, such as personal protective equipment**

**General information:**

Use only in well-ventilated areas. Do not eat, drink or smoke when using the product. Wash hands after handling. Practice good housekeeping.

**Eye/face protection:**

Safety glasses with side-shields conforming to EN166

**Skin protection**

**Hand Protection:**

Advice: Protective gloves made of : Neoprene Nitrile rubber. Polyvinyl chloride (PVC).

**Other:**

Safety shoes Wear suitable protective clothing.

**Respiratory Protection:**

Respirator with a vapour filter (EN 141)

**Hygiene measures:**

Avoid inhalation of vapors and spray mists. Avoid contact with eyes, skin, and clothing. When using do not eat, drink or smoke. Wash thoroughly after handling.

**Environmental exposure controls:**

No release to wastewater from process as such, wastewater emissions limited to release generated from final equipment cleaning step using water

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Appearance**

**Physical state:**

liquid

**Form:**

liquid

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<b>Color:</b>	Pale yellow
<b>Odor:</b>	Mild
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	Not available
<b>Freezing point:</b>	9 °C
<b>Boiling Point:</b>	> 200 °C
<b>Flash Point:</b>	> 142 °C (ASTM D 93)
<b>Evaporation Rate:</b>	Not determined.
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability Limit - Upper (%):</b>	No data available.
<b>Flammability Limit - Lower (%):</b>	No data available.
<b>Vapor pressure:</b>	0,003 hPa
<b>Relative vapor density:</b>	No data available.
<b>Density:</b>	1,28 g/cm <sup>3</sup> (25 °C)
<b>Relative density:</b>	1,28
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	0,24 g/l Insoluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water) Log Pow:</b>	2,52 calculated
<b>Auto-ignition temperature:</b>	> 400 °C
<b>Decomposition Temperature:</b>	No decomposition if stored and applied as directed.
<b>SADT:</b>	No data available.
<b>Viscosity, dynamic:</b>	No data available.
<b>Viscosity, kinematic:</b>	88,6 mm <sup>2</sup> /s (40 °C)
<b>Explosive properties:</b>	No data available.
<b>Oxidizing properties:</b>	No data available.

**9.2 Other information**  
 No data available.

**SECTION 10: Stability and reactivity**

<b>10.1 Reactivity:</b>	No data available.
<b>10.2 Chemical Stability:</b>	Material is stable under normal conditions.
<b>10.3 Possibility of hazardous reactions:</b>	Hazardous polymerization does not occur.
<b>10.4 Conditions to avoid:</b>	None known.
<b>10.5 Incompatible Materials:</b>	Oxidizing agents. Peroxides. Sodium hypochlorite. Acids.
<b>10.6 Hazardous Decomposition Products:</b>	In case of fire, gives off (emits): Carbon oxides Oxides of silicon. Oxides of tin.

**SECTION 11: Toxicological information**

**Information on likely routes of exposure**

<b>Inhalation:</b>	No data available.
<b>Ingestion:</b>	No data available.

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**Skin Contact:** No data available.

**Eye contact:** No data available.

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity**

**Oral**

**Product:** Not classified for acute toxicity based on available data.

**Specified substance(s)**  
 STANNOUS OCTOATE LD 50 (Rat): 3.400 mg/kg

2-Ethylhexanoic acid LD 50 (Rat): 2.043 mg/kg

**Dermal**

**Product:** Not classified for acute toxicity based on available data.

**Specified substance(s)**  
 STANNOUS OCTOATE LD 50 (Rabbit): > 2.000 mg/kg

2-Ethylhexanoic acid LD 50 (Rabbit): > 2.000 mg/kg

**Inhalation**

**Product:** Not classified for acute toxicity based on available data.

**Specified substance(s)**  
 STANNOUS OCTOATE  
 2-Ethylhexanoic acid No data available.

**Repeated dose toxicity**

**Product:** No data available.

**Specified substance(s)**  
 STANNOUS OCTOATE No data available.  
 2-Ethylhexanoic acid No data available.

**Skin Corrosion/Irritation:**

**Product:** No data available.

**Specified substance(s)**  
 STANNOUS OCTOATE No data available.  
 2-Ethylhexanoic acid No data available.

**Serious Eye Damage/Eye Irritation:**

**Product:** No data available.

**Specified substance(s)**  
 STANNOUS OCTOATE (Rabbit): Irritating to eyes.  
 2-Ethylhexanoic acid not irritating (not classified according to the German Dangerous Substances legislation)

**Respiratory or Skin Sensitization:**

**Product:** No data available.

**Specified substance(s)**

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STANNOUS OXOATE positive  
 2-Ethylhexanoic acid No data available.

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**Specified substance(s)**

STANNOUS OXOATE Ames-Test: negative  
 2-Ethylhexanoic acid No data available.

**In vivo**

**Product:** No data available.

**Specified substance(s)**

STANNOUS OXOATE No data available.  
 2-Ethylhexanoic acid No data available.

**Carcinogenicity**

**Product:** No data available.

**Specified substance(s)**

STANNOUS OXOATE No data available.  
 2-Ethylhexanoic acid No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specified substance(s)**

STANNOUS OXOATE No data available.  
 2-Ethylhexanoic acid No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specified substance(s)**

STANNOUS OXOATE No data available.  
 2-Ethylhexanoic acid No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Specified substance(s)**

STANNOUS OXOATE No data available.  
 2-Ethylhexanoic acid No data available.

**Aspiration Hazard**

**Product:** No data available.

**Specified substance(s)**

STANNOUS OXOATE No data available.  
 2-Ethylhexanoic acid No data available.

**11.2 Information on other hazards**

**Endocrine disrupting properties**

**Product:** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.;



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**Components:**  
 STANNOUS OCTOATE No data available.  
 2-Ethylhexanoic acid No data available.

**Other effects:** No data available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Acute toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

STANNOUS OCTOATE No data available.  
 2-Ethylhexanoic acid No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

STANNOUS OCTOATE EC50 (Daphnia magna, 48 h): 24,5 mg/l  
 2-Ethylhexanoic acid No data available.

**Chronic Toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

STANNOUS OCTOATE No data available.  
 2-Ethylhexanoic acid No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

STANNOUS OCTOATE No data available.  
 2-Ethylhexanoic acid No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**

STANNOUS OCTOATE EC50 (Algae, 72 h): 6,9 mg/l  
 2-Ethylhexanoic acid No data available.

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** Readily biodegradable

**Specified substance(s)**

STANNOUS OCTOATE No data available.  
 2-Ethylhexanoic acid No data available.

**BOD/COD Ratio**

**Product** No data available.

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**Specified substance(s)**

STANNOUS OCTOATE No data available.  
 2-Ethylhexanoic acid No data available.

**12.3 Bioaccumulative potential**

**Product:** No data available.

**Specified substance(s)**

STANNOUS OCTOATE No data available.  
 2-Ethylhexanoic acid No data available.

**12.4 Mobility in soil:**

No data available.

**Known or predicted distribution to environmental compartments**

STANNOUS OCTOATE No data available.  
 2-Ethylhexanoic acid No data available.

**12.5 Results of PBT and vPvB assessment:**

No data available.

STANNOUS OCTOATE No data available.  
 2-Ethylhexanoic acid No data available.

**12.6 Endocrine disrupting properties:**

**Product:** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Components:**

STANNOUS OCTOATE No data available.  
 2-Ethylhexanoic acid No data available.

**12.7 Other adverse effects:**

**Other hazards**

**Product:** No data available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**General information:** See Section 8 for information on appropriate personal protective equipment. The generation of waste should be avoided or minimized wherever possible. Do not discharge into drains, water courses or onto the ground.

**Disposal methods:** Can be incinerated when in compliance with local regulations.

**SECTION 14: Transport information**

**ADR**

Not Regulated.

**ADN**

Not Regulated.

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**RID**

Not Regulated.

**IATA**

Not Regulated.

**IMDG Code**

Not Regulated.

**14.6 Special precautions for user:** This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods. Keep away from foodstuffs and animal feed.

**14.7 Maritime transport in bulk according to IMO instruments**

Product is not transported in bulk.

**SECTION 15: Regulatory information**

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

**EU Regulations**

**Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances:** none

**Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New Substances:** none

**EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended:** none

**Regulation (EC) No. 649/2012 Import and export of dangerous chemicals:** none

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:** none

**EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC):** none

**Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:**

The packaging shall be visibly, legibly and indelibly marked as follows:  
 Restricted to professional users.

Chemical name	CAS-No.	Concentration
STANNOUS OCTOATE	301-10-0	90 - 100%
2-Ethylhexanoic acid	149-57-5	1,0 - 10%

**Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.:**

Chemical name	CAS-No.	Concentration
STANNOUS OCTOATE	301-10-0	90 - 100%
2-Ethylhexanoic acid	149-57-5	1,0 - 10%

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently**

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given birth or are breast feeding.:

Chemical name	CAS-No.	Concentration
STANNOUS OCTOATE	301-10-0	90 - 100%
2-Ethylhexanoic acid	149-57-5	1,0 - 10%

**EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I:** None present or none present in regulated quantities.

**EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:**

Chemical name	CAS-No.	Concentration
STANNOUS OCTOATE	301-10-0	90 - 100%

**Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:**

Chemical name	CAS-No.	Concentration
STANNOUS OCTOATE	301-10-0	90 - 100%
2-Ethylhexanoic acid	149-57-5	1,0 - 10%

**15.2 Chemical safety assessment:**

No Chemical Safety Assessment has been carried out.

**Inventory Status**

Australia Industrial Chem. Act (AIC):	On or in compliance with the inventory	Remarks: None.
Canada DSL Inventory List:	On or in compliance with the inventory	Remarks: None.
Canada NDSL Inventory:	Not in compliance with the inventory.	Remarks: None.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory	Remarks: None.
Japan (ENCS) List:	On or in compliance with the inventory	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory	Remarks: None.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory	Remarks: None.
Philippines PICCS:	On or in compliance with the inventory	Remarks: None.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory	Remarks: None.
US TSCA Inventory:	On or in compliance with the inventory	Remarks: None.
REACH:	If purchased from Momentive Performance Materials GmbH in Leverkusen, Germany, all substances in this product have been registered by Momentive Performance Materials GmbH or upstream in our supply chain or are exempt from registration under Regulation (EC) No 1907/2006 (REACH). For polymers, this includes the constituent monomers and other reactants.	Remarks: None.

**SECTION 16: Other information**

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**Revision Information:** Not relevant.

**Key literature references and sources for data:** No data available.

**Wording of the H-statements in section 2 and 3**

H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H361	Suspected of damaging fertility or the unborn child.
H412	Harmful to aquatic life with long lasting effects.

**Training information:** No data available.

**Issue Date:** 23.04.2024

**Disclaimer:**

**Notice to reader**

Unless otherwise specified in section 1.2, Momentive Products are intended for industrial application only.

They are not intended for specific medical applications, neither for long-lasting (> 30 days) implantation into the human body, injected or directly ingested, nor for the manufacture of multiple usable contraceptives.

**Further Information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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