



Section 1. Identification of the substance/mixture and of the company/undertaking.

- 1.1 Product identifier: Eni i-Sint tech VK 0W-20
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:
- 1.3 Details of the supplier of the Safety Data Sheet: Eni Schmiertechnik GmbH
Paradiesstr. 14, 97080 Würzburg
Tel. (+ 49) 931 - 900 98-0 Fax (+ 49) 931-98442
- Advising/Support: Technical Department, Tel. (+49) 931 900 98-145
technik.wuerzburg@agip.de
www.enischmiertechnik-datenblaetter.de

Section 2. Hazards identification.

- 2.1 Classification of the substance or mixture:
Regulation (EC) No. 1272/2008: This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.
- 2.2 Label elements:
Regulation (EC) No. 1272/2008:
Special labelling of certain mixtures: EUH208: Contains C14-C16-C18 Alkylphenole. May produce an allergic reaction.
- 2.3 Other hazards: No information available.

Section 3. Composition/information on ingredients.

- 3.2 Mixtures:
Hazardous components:

CAS-No.	Chemical name			Quantity
	EC-No.	Index-No.	REACH-No.	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
68037-01-4	1-decen, homopolymer, hydrotreated (hydrated polydecene)			60 - < 100%
	500-183-1		01-2119486452-34	
	Asp. Tox. 1; H304			
64742-54-7	Distillates (petroleum), heavy paraffinic, hydrotreated			5 - < 15%
	265-157-1		01-2119484627-25	
	Asp. Tox. 1; H304			
72623-86-0	Baseoil – unspecified, Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based			5 - < 15%
	276-737-9			
	Asp. Tox. 1; H304			
72623-87-1	Baseoil – unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based			5 - < 15%
	276-738-4	649-483-00-5		
	Asp. Tox. 1; H304			
36878-20-3	Bis(nonylphenyl)amine			1 - < 5%
	253-249-4		01-2194889112-28	
	Aquatic Chronic 4; H413			

Full text for R and H phrases: see Section 16.

Section 4. First aid measures.

- 4.1 Description of first aid measures:
- After inhalation: Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary. In case of inhalation of aerosols/spray/mist/splash spots: Consult physician. Avoid breathing dust/fume/gas/mist/vapours/spray. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- After contact with skin: After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. After contact with skin, take off immediately all contaminated clothing and wash immediately with plenty of water and soap.
If skin irritation or rash occurs: Get medical advice/attention.



After contact with eyes:	Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.
After ingestion:	Rinse mouth immediately and drink large quantities of water. If swallowed, do not induce vomiting: seek medical advice immediately and show this container label.
4.2 Most important symptoms and effects both acute and delayed:	No information available.
4.3 Indication of any immediate medical attention and special treatment needed:	Treat symptomatically.

Section 5. Fire fighting measures.

5.1 Extinguishing media:	
Suitable extinguishing agents:	Coordinate fire-fighting measures to the fire surroundings. Carbon dioxide (CO ₂), dry extinguishing powder, foam.
5.2 Special hazards arising from the substance or mixture:	Non-flammable. Special exposure hazards arising from the substance itself, combustion products, resulting gases: Carbon dioxide (CO ₂), carbon monoxide, sulphur oxides, phosphorus oxides, hydrogen sulphide (H ₂ S).
5.3 Advice for fire fighters:	In case of fire: Wear self-contained breathing apparatus. Carbon black. In case of fire and/or explosion do not breathe fumes. In case of fire: Wear self-contained breathing apparatus.
Additional information:	Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Dispose of waste according to applicable legislation. Use water spray/stream to protect personnel and to cool endangered containers.

Section 6. Accidental release measures.

6.1 Personal precautions, protective equipment and emergency procedures:	Special danger of slipping by leaking/spilled product. Wear suitable protective clothing. Wear respiratory protection when in the presence of vapour, dust and aerosols.
6.2 Environmental precautions:	Do not allow to enter into surface water or drains. Prevent spreading over a wide area (e. g. by containment or oil barriers).
6.3 Methods and material for containment and cleaning up:	Absorb with liquid-binding material (e. g. sand, diatomaceous earth, acid or universal binding agents). Treat the recovered material according to the section on waste disposal.
6.4 Reference to other sections:	Safe handling: See section 7. Personal protection equipment: See section 8. Disposal: See section 13.

Section 7. Handling and storage.

7.1 Precautions for safe handling:	
Advice on safe handling:	Protect skin by using skin protective cream. Wash hands before breaks and at the end of work. Conditions to avoid: Aerosol or mist generation.
Advice on protection against fire and explosion:	No special measures are necessary. When using do not smoke. Fire class: B (DIN-/EN-Norms: EN2)
7.2 Conditions for safe storage, including any incompatibilities:	
Requirements for storage rooms and vessels:	Keep container tightly closed. Keep away from heat. Keep/store only in original container.
Advice on storage compatibility:	Do not store together with: Food and fodder, oxidizing agents.



Section 8. Exposure controls/personal protection.

8.1 Control parameters:

DNEL-/DMEL values:

CAS-No.	Substance			
DNEL type	Exposure route	Effect	Value	
36878-20-3	Bis(nonylphenyl)amine			
Worker DNEL, long-term	dermal	systemic	0,62 mg/kg KG/d	
Worker DNEL, long-term	inhalation	systemic	4,37 mg/m ³	
Consumer DNEL, long-term	oral	systemic	0,31 mg/kg KG/d	
Consumer DNEL, long-term	dermal	systemic	0,31 mg/kg KG/d	
Consumer DNEL, long-term	inhalation	systemic	1,09 mg/m ³	

PNEC values:

CAS-No.	Substance		Value
Environmental compartment			
36878-20-3	Bis(nonylphenyl)amine		
Freshwater			0,1 mg/l
Marine water			0,01 mg/l
Freshwater sediment			132000 mg/kg
Marine sediment			13200 mg/kg
Soil			263000 mg/kg
Microorganisms in sewage treatment plants (STP)			1 mg/l

8.2 Exposure controls:

Protective and hygiene measures: Take off contaminated clothing. Wash hands before breaks and at the end of work. When using do not eat, drink or smoke. Protect skin by using skin protective cream. Keep away from food, drink and animal feedingstuffs. Do not breathe vapour.

Eye/face protection: Wear eye/face protection.

Hand protection: When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. 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.

Skin protection: Wear suitable protective clothing.

Respiratory protection: In case of inadequate ventilation, wear respiratory protection.

Section 9. Physical and chemical properties.

9.1 Information on basic physical and chemical properties:

Physical state:	Liquid
Colour:	Yellow-brown
pH value:	Not determined
Changes in the physical state:	
Melting point:	Not determined
Initial boiling point and boiling range:	Not determined
Pourpoint:	-60°C
Flashpoint:	> 200°C
Flammability:	
Solid:	Not applicable
Gas:	Not applicable
Explosive properties:	No data available
Lower/Upper explosion limits:	Not determined
Auto-ignition temperature:	
Solid:	Not applicable
Gas:	Not applicable
Decomposition temperature:	Not determined



Oxidizing properties:	No data available
Vapour pressure:	Not determined
Density:	~ 0,84 g/cm ³
Water solubility:	Insoluble
Solubility in other solvents:	Not determined
Partition coefficient:	Not determined
Kin. Viscosity at 40°C:	~ 41 mm ² /s
Vapour density:	Not determined
Evaporation rate:	Not determined
9.2 Other information:	
Solid content:	No data available

Section 10. Stability and reactivity.

10.1 Reactivity:	No hazardous reaction when handled and stored according to provisions.
10.2 Chemical stability:	The product is stable under storage at normal ambient temperatures.
10.3 Possibility of hazardous reactions:	No known hazardous reactions.
10.4 Conditions to avoid:	No data available. Etchant and acids.
10.5 Incompatible materials:	Oxidizing agents, strong. Etchant and acids.
10.6 Hazardous decomposition products:	No known hazardous decomposition products.

Section 11. Toxicological information.

11.1 Information on toxicological effects:

Acute toxicity: No data available. Irritant effect on the respiratory tract: Do not breathe gas/vapour.

CAS-No.	Chemical name			
	Exposure route	Dose	Species	Source
68037-01-4	1-decen, homopolymer, hydrotreated (hydrated polydecene)			
	oral	LD50 > 2000 mg/kg		
	dermal	LD50 > 2000 mg/kg		
64742-54-7	Distillates (petroleum), heavy paraffinic, hydrotreated			
	oral	LD50 > 2000 mg/kg	Rat	OECD 401
	dermal	LD50 > 2000 mg/kg	Rabbit	OECD 402
	inhalative (4h) vapour	LC50 > 5000 mg/l	Rat	OECD 403
72623-87-1	Baseoil – unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based			
	oral	LD50 => 5000 mg/kg	Rat	OECD 401
	dermal	LD50 => 2000 mg/kg	Rabbit	OECD 402
	inhalative (4h) vapour	LC50 => 5,53 mg/l	Rat	OECD 403
36878-20-3	Bis(nonylphenyl)amine			
	oral	LD50 > 5000 mg/kg	Rat	OECD 401
	dermal	LD50 > 2000 mg/kg	Rabbit	OECD 402

Irritation and corrosivity: Irritant effect on the skin: None
Frequent and prolonged eye contact may cause eye irritation.

Carcinogenic/mutagenic/toxic effects for reproduction: The product is not classified.

STOT-repeated exposure: Frequently or prolonged contact with skin may cause dermal irritation.

Additional information on tests: None



Section 12. Ecological information.

12.1 Toxicity: The product is not Ecotoxic.

CAS-No.	Chemical name					
	Aquatic toxicity	Dose		[h] [d]	Species	Source
68037-01-4	1-decen, homopolymer, hydrotreated (hydrated polydecene)					
	Acute fish toxicity	LC50	> 1000 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50	> 1000 mg/l	72 h		
64742-54-7	Distillates (petroleum), heavy paraffinic, hydrotreated					
	Acute fish toxicity	LC50	> 1000 mg/l	96 h	Fish	OECD 203
	Acute algae toxicity	ErC50	> 100 mg/l	72 h		OECD 201
	Acute crustacea toxicity	EC50	> 100 mg/l	48 h	Daphnia	OECD 202
72623-87-1	Baseoil – unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based					
	Acute fish toxicity	LC50	> 100 mg/l	96 h		OECD 203
	Acute algae toxicity	ErC50	>= 100 mg/l	72 h		OECD 201
	Acute crustacea toxicity	EC50	> 10000 mg/l	48 h		OECD 202
36878-20-3	Bis(nonylphenyl)amine					
	Acute fish toxicity	LC50	> 100 mg/l	96 h	Brachydanio rerio (Zebra fish)	OECD 203
	Acute algae toxicity	ErC50	600 mg/l	72 h	Pseudokirchneriella subcapitata	OECD 201
	Acute crustacea toxicity	EC50	> 100 mg/l	48 h	Daphnia magna	OECD 202

12.2 Persistence and degradability: Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants. Poorly eliminated from water. Not easily biodegradable (according to OECD criteria). Product is partially biodegradable. Significant residues remain. Post-use oils must not be discharged into the sewer system or into surface waters nor must they be allowed to enter the soil.

CAS-No.	Chemical name			
	Method	Value	d	Source
	Evaluation			
36878-20-3	Bis(nonylphenyl)amine			
	Aerobic biological treatment	1%	28	
	Not easily biodegradable (according to OECD criteria)			

12.3 Bioaccumulative potential: The product has not been tested.

Partition coefficient n-octanol/water:

CAS-No.	Chemical name	Log Pow
68037-01-4	1-decen, homopolymer, hydrotreated (hydrated polydecene)	> 6,5
64742-54-7	Distillates (petroleum), heavy paraffinic, hydrotreated	@1719.B0172 86 >4
72623-87-1	Baseoil – unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	> 6
36878-20-3	Bis(nonylphenyl)amine	> 7,6

12.4 Mobility in soil: The product has not been tested.

12.5 Results of PBT and vPvB assessment: The product has not been tested.

12.6 Other adverse effects: No information available.

Further information: Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

Section 13. Disposal considerations.

13.1 Waste treatment methods:

Advice on disposal: Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation. The waste codes stated are recommendations based on the expected use of the substance and may be re-assigned to other waste codes by the user, if applicable. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.



Waste disposal number of waste from residues/unused products:	13 02 06 – Oil wastes and wastes of liquid fuels (except edible oils, and those in chapters 05, 12 and 19); waste engine, gear and lubricating oils; synthetic engine, gear and lubricating oils. Classified as hazardous waste.
Waste disposal number of used products:	13 02 06 – Oil wastes and wastes of liquid fuels (except edible oils, and those in chapters 05, 12 and 19); waste engine, gear and lubricating oils; synthetic engine, gear and lubricating oils. Classified as hazardous waste.
Waste disposal number of contaminated packaging:	15 01 10 – waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by dangerous substances. Classified as hazardous waste.
Contaminated packaging:	Dispose of this material and its container to hazardous or special waste collection point. Non-contaminated packages may be recycled. Handle contaminated packaging in the same way as the substance itself.

Section 14. Transport information.

Land transport (ADR/RID):	
Other applicable information (land transport):	No dangerous good in sense of this transport regulation.
Inland waterways transport (ADN):	
Other applicable information (inland waterways transport):	No dangerous good in sense of this transport regulation.
Marine transport (IMDG):	
Other applicable information (marine transport):	No dangerous good in sense of this transport regulation.
Air transport (ICAO):	
Other applicable information (air transport):	No dangerous good in sense of this transport regulation.

Section 15. Regulatory information.

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

National regulatory information:

Water hazardous class (WGK) (D):	2 – water contaminating
Skin resorption/Sensitization:	Causes allergic hypersensitivity reactions.

16. Other information.

The information contained in this safety data sheet is based on our current information level. It does not give assurance for certain product properties and does not establish a contractual relationship. This information relates only to the specific material and may not be valid if the material is used in combination with any other material or in any process.

Full text of H and EUH statements referred to under Sections 2 and 3:

H304	May be fatal if swallowed and enters airways
H413	May cause long lasting harmful effects to aquatic life
EUH208	Contains C14-C16-C18 Alkylphenole. May produce an allergic reaction.