



Safety Data Sheet According to 1907/2006/EC, Article 31

Printing Date 25.03.2022 - Revision 25.03.2022

1. Identification of Product and Company's Name:

PRODUCT DETAIL

Trade Name: OWS PROJEKT Z Diesel

Article Number: PROJEKT Z Diesel

Application of the substance / the preparation:

Manufacturer / Supplier:

Our Workshop System (S) Pte Ltd
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2. Hazards identification:

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Category	Target Organs	Hazards
Aspiration	Category 1	-	H304
Chronic aquatic toxicity	Category 3	-	H412

For the full text of the H-Statements mentioned in this Section, see Section 16

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Directive 67/548/EEC or 1999/45/EC

Hazard symbol / Category

Harmful (Xn)	R Phrase(s) R65 R66 R 52/53
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2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Hazard symbols:



XN = Harmful

Hazard statements: H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.

Safety Prevention: P273: Avoid release to the environment.

Response: P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331 Do not induce vomiting

Storage: P405 Store locked up.
P501 Dispose of contents / container to an approved waste: disposal.

Additional labeling: EUH066 Repeated exposure may cause skin dryness or cracking.

Hazard determining component (s) for labeling:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

2.3. Sonstige hazards No other information available.

3. Composition/information on ingredients

3.1. Material / preparation:

Preparation from aliphatic hydrocarbons and additive

Dangerous ingredients	Quantity%	Classification		Classification
		Regulation EG No 1272/2008 Hazard class / Danger Category	Hazard Statement	67/648/EWG
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, Cyclics, aromatics (2-25%)				
EG No.: 919-164-8	<100	Asp Tox. 1 Aquatic Chronic 3	H304 H412	Xn; R65, R66 R 52/53
Solvent Naphtha (petroleum), aromatically difficult CAS No.: 64742-94-5	5-10	STOT SE 3; Asp Tox. 1, Aquatic Chronic 2 Skin Irrit.2 Eye Irrit.2	H336i H304 H411 H315 H319	Xn; R65, R66, R67 N; R51/53 Xi; R36/38

4. First Aid Measures:

4.1. First aid measures

General advice : First aider needs to protect himself. Move out of dangerous area. Take off all clothing immediately.

Inhalation : Remove to fresh air. Consult a physician after significant exposure. If unconscious place in recovery position and seek medical advice.

After contact with skin : Wash off immediately with soap and plenty of water. If skin irritation occurs.

Ingestion : Rinse mouth with water. Do NOT induce vomiting. Aspiration! Call a physician immediately. If a person vomits when lying on his back, place him in the recovery position.

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

Symptoms : headache, dizziness, fatigue, nausea, disorder of the central nervous system.

Effects : If swallowed or vomiting, danger of entering the lungs. Aspiration may cause pulmonary edema and pneumonitis.

4.3. Indication of immediate medical attention and special treatment

Treatment: Symptomatic treatment.

5. Fire Fighting measures

5.1. Extinguishing agents

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing agents : Water with full jet.

5.2. Special hazards arising from the substance or mixture Hazards

Specific hazards during the vapors are long distance is possible. Vapors may form explosive mixtures heavier than air and spread along ground. with air
Backfire at Fire fighting : In case of fire hazardous decomposition products may be produced: carbon monoxide, carbon dioxide (CO₂) Under certain fire conditions, traces of other toxic. Not exclude products.

5.3. Advice for firefighters

Special protective equipment for Fire-fighting : In the event of fire, wear self-contained breathing apparatus. Wear suitable protective clothing (full body suit).
More information : Cool closed containers exposed to fire with water spray. Collect contaminated firefighting water separately, must not be discharged into drains.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal Protection: Use personal protective equipment. Ensure adequate ventilation. Of heat and Keep ignition sources away. Avoid contact with skin and eyes. / Do not breathe gas / fumes vapor / spray.

6.2. Environmental protection measures

Environment Protection: Do not flush into surface water or sanitary sewer system. Avoid seepage into the ground. If the product contaminates rivers and lakes or drains inform respective authorities. Case of seepage into the ground inform responsible authorities.

6.3. Methods and material for containment and cleaning

Methods and material for: Adequate ventilation. With liquid-binding material (sand, diatomite,
Containment and cleaning up: Acid binders, universal binders, sawdust). Of the material collected according to section on waste disposal.

7. Handling and storage

7.1. Protection measures to safer handling:

Information for safe handling : Keep container tightly closed. Avoid inhalation of vapors or mist. Avoid contact with skin and eyes. Provide sufficient air exchange and / or exhaust in work rooms.
Hygiene measures : Take off all contaminated clothing immediately. / Do not breathe gas / fumes vapor / spray. Avoid contact with skin and eyes. Of food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands before breaks and at end of work.

7.2. Conditions for safe storage, including any incompatibilities

Precautions against fire and explosion protection : Flammable liquid. Form explosive mixtures in air when heated explosion protection: above flash point and / or during spraying (fogging). The handling temperature should be at least 15 ° C below the flash point. Vapors are heavier than air and may spread along floors. From Keep ignition sources away - Do not smoke. Take measures to prevent electrostatic charging.

Further information on storage conditions : Protect from heat.
Advice on common storage : Materials to avoid: Strong oxidizing agents
Storage class (VCI) : 3 Flammable Liquids

7.3. specific end

Specific use (s) : No information available.

8. Explosion Control/Personal Protection

8.1. Control parameters (Additional) information: Components with workplace to control parameters:
Ingredient: C9 - C15 aliphatics <95%

Other exposure limits: TRGS 900, AGW: 600 mg/m³, (2 (II))
 Hydrocarbon mixtures, used as a solvent (solvent hydrocarbons), additive-free
 Ingredient: 2-butoxyethanol CAS-No. 111-76-2 <10%
 TRGS 900, Skin designation: Can be absorbed through the skin.
 TRGS 900, TWA: 20 ppm, 98 mg/m³ (4)
 A risk of reproductive damage if the occupational exposure limit (OEL)
 and the biological limit value (BGW) not to be feared (see section 2.7)
 EU ELV, time-weighted average (TWA): 20 ppm, 98 mg/m³ indicative
 EU ELV, Short Term Exposure Limit (STEL): 50 ppm, 246 mg/m³ indicative
 Substance: methyl cyclopentadienyl manganese tricarbonyl <1%
 EH40 (UK) (Europe, 2002). Is absorbed through the skin.
 TWA: 0.2 mg / m³ 8 hour (s).
 STEL: 0.6 mg / m³ 15 minute (s).

8.2. Limiting and monitoring exposure

Personal protective equipment

Respiratory Protection Note : Required when limits are exceeded. Required when vapors and aerosols. In case of intensive or longer exposure use self-contained breathing apparatus. In case of brief exposure or low pollution use respiratory filter device use.
 Combination filter: A-P2

Solvent resistant gloves The following materials are suitable:

Nitrile Observe the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Protective gloves should be replaced at first signs of wear.

Eye Protection Note : Tightly fitting safety goggles

Skin and body protection Note : Flame retardant protective clothing

Delimitation and monitoring of environmental exposure

General notes : Do not flush into surface water or sanitary sewer system. Avoid seepage into the ground. If the product contaminates rivers and lakes or drains inform respective personal protective measures A Schutzbrille M see instructions protection. Depending of St fmenge and conditions of use may be required eye protection with visor. Use gas exhaust ventilation or other engineering controls to keep the relevant airborne concentrations. Hand protection: Hand protection: Wear chemical-resistant gloves. Nitrile gloves with a minimum thickness of 0.4 mm have an expected breakthrough time of 480 minutes or less, when they often come into contact with the product. Due to variable exposure conditions, the user must be aware that the practical use of chemical resistant gloves in Reality may be considerably shorter than the above mentioned breakthrough time. The use of the manufacturer's guidelines, especially with regard to the strength and the minimum breakthrough time must be adhered to. This information supersedes aptitude tests the part of the end user not because of protection by gloves depends upon the conditions under which the product is used. Body protection: In case of contact predictable chemical resistant gloves, a chemical resistant Suit and boots. According to operation special garments must be created. Other skin protection: Not applicable. Respiratory protection: the potential to exceed the limits suitable respiratory protection must be used. Delimitation and monitoring of the environmental exposition: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical & Chemical Characteristics:

9.1. Information on basic physical and chemical properties

Form: liquid

Color: colorless-light yellowish

Odor: gasoline-like

Change in condition

Wert

Unit

Melting point / Melting range:

<-20

° C

Boiling point / boiling range:

156-230

° C

Change in condition	Wert	Unit
Flash point:	> 58	° C
	> 240	° C
Self-igniting:	Product is not self igniting	
Danger of explosion:	Product is not explosive, but the formation explosive, mixtures are possible	
Explosion limits:	Lower: 0.6 Vol% Upper: 7 vol%	
Vapour pressure (20 ° C):	<5 hPa at 50 ° C for 4 hPa	
Density (20 ° C):	0.79 to 0.840 kg / l	
Solubility in / Miscibility with water:	<50 g / l	
pH:	not applicable	

For more information: benzene content <0.005% (G.C.)

9.2 Other information

No further information available

10. Stability & Reactivity

10.1. Reactivity

Note: No decomposition if stored and applied.

10.2. Chemical Stability:

Note: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: formation of explosive, mixtures are possible

10.4. Conditions to avoid

Conditions to avoid: Heat, flames and sparks.

Thermal decomposition: No data available.

10.5. Incompatible Materials

Materials to avoid: Strong oxidizing agents

10.6. Hazardous decomposition products

Hazardous decomposition products: In case of fire hazardous decomposition products may include: oxides of carbon.A

11. Toxicological Information

11.1. Information on toxicological effects

Ingredient: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (<95%)

acute toxicity

Dermal LD 50

Oral LD50:> 25000 mg / kg (rat) (OECD Guideline 401)

skin

LD50:> 2920 mg / kg (rat) (OECD Guideline 402)

Ingredient: methylcyclopentadienyl manganese tricarbonyl (<1%)

Steam inhalation LC50 0247 ppm (Rat) 1 hours

Dermal LD50 140 mg / kg (rabbit)

Oral LD 50 58 mg / kg (rat)

Component: Solvent naphtha (petroleum), heavy aromatic heavy CAS-No. 64742-94-5

acute toxicity

Dermal LD50> 2000 mg / kg (rabbit)

Oral LD50:> 2500 mg / kg (rat)

mutagenicity

Experiment: Bacteria

Result: positive

irritation

skin

Results: Prolonged skin contact may defat the skin and produce dermatitis.

eye

Results: Causes eye discomfort, but will not injure eye tissue.

awareness

Result: No sensitizing effects known.

more information

Experience with exposure Small amounts of ingestion or subsequent vomiting in the lungs

People: reach, can lead to pulmonary edema or pneumonia.

12. Ecological Information

12.1. Toxicity Ingredient: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (100%)

Acute toxicity

Fish

LL50: 10 - 100 mg / l (Oncorhynchus mykiss (rainbow trout), 96 h) (toxicity to fish)

Information based on test results or data of a similar product.

Toxicity to daphnia and other aquatic invertebrates.

10-22 mg / l (Daphnia magna (water flea) 48 h)

(Daphnia)

Information based on test results or data of a similar product.

Algae

EL50: 50 - 100 mg / l (Pseudokirchneriella subcapitata (green algae), 72 h) (Toxicity to algae)

Information based on test results or data of a similar product.

NOELR: 3 mg / l (Pseudokirchneriella subcapitata (green algae), 72 h)

: 700 mg / l (Pseudomonas putida, 16 h)

12.2. Persistence and degradability

Ingredient: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (100%)

Persistence

Result: The product floats on water and does not dissolve.

The product evaporates slowly.

Biodegradation

Result: Readily biodegradable

Persistence

Result: Rapid degradation in the air.

12.3. Bioaccumulative

Ingredient: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (100%)

Bioaccumulation

No data available.

Ingredient: 2-butoxyethanol CAS-No. 111-76-2

Bioaccumulation

Result: Does not bioaccumulate.

12.4. Mobility in soil

Ingredient: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (100%)

Mobility

Soil: The product evaporates readily.

Water: The product floats on water and does not dissolve.

Ingredient: 2-butoxyethanol CAS-No. 111-76-2

Mobility

Result: no data available

12.5. Results of PBT and vPvB assessment

Ingredient: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (100%)

Result: This substance is not considered to be persistent, bioaccumulative and toxic (PBT).

Substance is not considered to be very persistent and very bioaccumulative.

Result: This substance is not considered to be persistent, bioaccumulative and toxic (PBT), This substance is not

considered to be very persistent and very bioaccumulative (vPvB)..

12.6. Other adverse effects

Other ecological information

Result: Do not flush into surface water or sanitary sewer system.

13. Disposal Instructions:

13.1. Waste treatment methods product:

Disposal together with normal waste is not allowed. Do not empty into drains. Can be incinerated in accordance with local regulations.

Contaminated packaging: Empty residues. Do not burn empty containers or use a cutting torch. Risk of explosion. Empty container to an approved waste handling site for recycling or disposal. Contaminated packaging must be disposed of like the product. European Waste Catalogue: For this product no waste key number as per the European Waste Types List can be specified as the intended use by the user enables an allocation. The waste key number must be determined in consultation with the regional waste disposal company.

14. Transportation Instructions:

No hazardous for ADR and IMDG.

14.1. UN number	not applicable
14.2. Proper Shipping Name	not applicable
14.3. Transport hazard class	not applicable
14.4. packing group	not applicable
14.5. environmental hazards	not applicable
14.6. Special precautions for user	not applicable
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code IMDG:	not applicable

15. Regulation Instructions:

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

WGK (DE): WGK 2, hazardous for water; WGK (DE);-assessment in accordance with 17 May 1999 Annex 2 Störfallverordnung: - Not subject to the Incident.

Other regulations: restriction: The protection from hazardous substances employment limitations on Maternity Protection

Directive and youth employment law are observed.

15.2. Chemical Safety Assessment

Currently we do no information from our suppliers.

16. Other Information

Full text of abbreviated HSä

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation.

H319 Causes severe eye irritation ..

H335 May cause respiratory irritation.

H335 and H336 May cause respiratory irritation. May cause drowsiness and dizziness.

H411 Toxic to aquatic life with long lasting effects.

Full text of classifications:

[CLP / GHS]

Xn - Harmful

Xi - Irritant

N - Dangerous for the environment

Full text of abbreviated R-phrases

R10-flammable.

R20-Harmful by inhalation.

R22-Harmful if swallowed.

R37-Irritating to respiratory system.

R38-Irritating to skin.

R36/38-Irritating the eyes and skin.

R36/37/38- Irritating to eyes, respiratory system and skin.

R65-Harmful: may cause lung damage if swallowed.

R66-Repeated exposure may cause skin dryness or cracking.

R67-Vapours may cause drowsiness and dizziness.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects.

More information.

The information in this SDS is based on our present knowledge at the time of the revision and serve to describe the product with regard to safety precautions to be taken. They are no assurance of properties of the product and any product information or product specification and shall not establish a legal relationship. The Safety Data Sheet is not transferable to other products. The information given in this data sheet combination with any other materials or in any process, or any process of processing, the information in this MSDS, unless specifically state otherwise, not be transferred to the new material.

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