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Danger



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

1.1. Product identifier

Identification of the product : Multicomponent liquid.
Trade name : TURBO PROTECT

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

See product bulletin for detailed information.

1.3. Details of the supplier of the safety data sheet

Producer/Manufacturer : SADAPS BARDAHL Additives & Lubricants
ZI TOURNAI OUEST 2
RUE DU MONT DES CARLIERS, 3
7522 TOURNAI Belgique-Belgie
TEL : +32 (0).69.59.03.60
FAX : +32 (0).69.59.03.61
MAIL : msds@bardahlfrance.com

1.4. Emergency telephone number

+32 (0)70.245.245

SECTION 2 Hazards identification

2.1. Classification of the substance or mixture

Hazard Class and Category Code Regulation EC 1272/2008 (CLP)

- Health hazards : Skin irritation - Category 2 - Warning
Serious eye damage - Category 1 - Danger
Skin sensitisation - Category 1 - Warning (CLP : Skin Sens. 1)
- Environmental hazards : Hazardous to the aquatic environment - Chronic hazard - Category 2 (CLP : Aquatic Chronic 2)

Text of H-Phrases : : SECTION 16

2.2. Label elements

Labelling Regulation EC 1272/2008 (CLP)

• Hazard pictograms



- Hazard pictograms code : SGH05 - SGH07 - SGH09
- Signal words : Danger
- Hazard statements : H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H411 - Toxic to aquatic life with long lasting effects.

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SECTION 2 Hazards identification (continued)

• Precautionary statements

- **General** : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
 - **Prevention** : P273 - Avoid release to the environment.
P280 - Wear protective gloves/eye protection/face protection.
 - **Response** : P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P305+P351+P338+P310 - IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
P391 - Collect spillage.
 - **Disposal considerations** : P501 - Dispose of contents/container in accordance with local regulations.
- **Contains** : zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) Calcium long chain alkaryl sulphonate. Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14-tert-alkyl . Triphenyl phosphite

2.3. Other hazards

None under normal conditions.

SECTION 3 Composition / information on ingredients

Substance name	Contents	CAS No	EC No	Annex No	REACH	Classification
Zinc bis[O,O-bis(2-ethylhexyl)] bis dithiophosphate)	< 10 %	4259-15-8	224-235-5	-	01-2119493635-27-XXXX	Xi; R41 N; R51-53 ----- Eye Dam 1 (H318) Aquatic Chronic 2 (H411)
Polyoléphine polyamine succinimide, polyol	1 - 5 %	----	POLYMER	----	----	R53 ----- Aquatic Chronic 4 (H413)
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14-tert-alkyl .	1 - 5 %	----	931-384-6	-	01-2119493620-38-XXXX	Xn; R22 Xi; R41 R43 N; R51-53 ----- Eye Dam 1 (H318) Acute Tox. 4 (H302) Skin Sens. 1 (H317) Aquatic Chronic 2 (H411)
Alkyldithiophosphate de zinc	1 - 5 %	68649-42-3	272-028-3	----	----	Xi; R41 N; R51-53 ----- Eye Dam 1 (H318) Aquatic Chronic 2 (H411)
Alkyl phénate de calcium soufré	1 - 5 %	90480-91-4	291-829-9	----	----	R53 ----- Aquatic Chronic 4 (H413)
Alkaryl amine	1 - 5 %	CONF	----	----	----	R53 ----- Aquatic Chronic 4 (H413)
Alkarylsulphonate à chaine longue de calcium	1 - 5 %	----	POLYMERE	----	----	R43 R53 ----- Skin Sens. 1 (H317) Aquatic Chronic 4 (H413)
(Z)-octadec-9-enylamine	< 1 %	----	204-015-5	----	----	Xn; R22-48/22 C; R34 Xi; R37 N; R50-53 ----- Skin Corr. 1A+ (H314) Eye Dam 1 (H318) Asp. Tox 1 (H304) Acute Tox. 4 (H302) STOT SE 3 (H335) STOT RE 2 (H373) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)

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SECTION 3 Composition / information on ingredients (continued)

Substance name	Contents	CAS No	EC No	Annex No	REACH	Classification
Triphenyl phosphite	: < 1 %	101-02-0	202-908-4	015-105-00-7	01-2119511213-58	Xn; R22 Xi; R36/38 R43 N; R50-53 ----- Acute Tox. 4 (H302) Eye irrit. 2 (H319) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
O,O,O-triphenyl phosphorothioate	: < 0.25 %	597-82-0	209-909-9	----	01-2119979545-21	Xn; R62 Xn; R63 R53 ----- Repr. 2 (H361) Aquatic Chronic 4 (H413)
Alkylphénol ramifié et alkylphénol ramifié de calcium	: < 0.25 %	POLYMER	BAP	CABAP	----	T; R60 Xi; R36/38 N; R50-53 ----- Repr. 1A (H360) Eye irrit. 2 (H319) Skin Irrit. 2 (H315) Aquatic Chronic 1 (H410)
Phenol, heptyl derivs.	: < 0.25 %	72624-02-3	276-743-1	----	01-2119972228-30	C; R34 R43 N; R50-53 ----- Skin Corr. 1A+ (H314) Eye Dam 1 (H318) Acute Tox. 4 (H302) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)

SECTION 4. First aid measures

4.1. Description of first aid measures

First aid measures

- Inhalation : Assure fresh air breathing.
- Skin contact : For even minor contact, immediately remove contaminated clothing/wash skin thoroughly with mild soap / water.
- Eye contact : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Ingestion : Seek medical attention if ill effect develops.

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

- Inhalation : Inhalation of vapours may cause respiratory irritation.
- Skin contact : May cause an allergic skin reaction.
Causes skin irritation.
- Eye contact : Causes serious eye damage.
- Ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

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

Treat symptomatically.

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

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SECTION 5. Fire-fighting measures (continued)

- Suitable extinguishing media : Carbon dioxide. Powder. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Incomplete combustion will generate poisonous carbon monoxide, carbon dioxide and other toxic gases.

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Keep public away from danger area. Equip cleanup crew with proper protection.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Clean up methods

- on soil : Clean up any spills as soon as possible, using an absorbent material to collect it.
- on water : Take up large spills with pump or vacuum.

6.4. Reference to other sections

No data available.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

General : When using, do not eat, drink or smoke. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Take off immediately all contaminated clothing.

Handling : No smoking. Do not breathe gas, fumes, vapour or spray. Wear suitable protective clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Store in dry, cool, well-ventilated area. Keep in original containers.

Storage life : 3 years.

7.3. Specific end use(s)

No data available.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits : 1,2,4-trimethylbenzene : TLV© -TWA [mg/m³] : 125
1,2,4-trimethylbenzene : TLV© -TWA [ppm] : 25
1,2,4-trimethylbenzene : VME [ppm] : 20
1,2,4-trimethylbenzene : VME [mg/m³] : 100

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SECTION 8. Exposure controls/personal protection (continued)

Brouillards d'huile : VME [mg/m³] : (8 heures) 5
 Brouillards d'huile : VLE [mg/m³] : (15 min) 10

8.2. Exposure controls

Personal protection

- Eye protection : Safety glasses with side guards should be worn to prevent injury from airborne particles and/or other eye contact with this product.
- Skin protection : Wear suitable protective clothing.
- Hand protection : Wear suitable gloves resistant to chemical penetration. (EN374)
- Respiratory protection : Where excessive vapour may result, wear approved mask.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state at 20 °C : Liquid.
- Colour : Brown.
- Odour : Characteristic.
- Odour threshold : No data available.
- pH : Not applicable.
- Melting point / Freezing point : No data available.
- Initial boiling point - boiling range [°C] : No data available.
- Final boiling point [°C] : No data available.
- Flash point [°C] : >61
- Evaporation rate : No data available.
- Flammability : No data available.
- Explosion limits (lower - upper) : No data available.
- Vapour pressure : No data available.
- Vapour density : No data available.
- Relative density : 0.95 - 0.96
- Solubility : Material insoluble in water.
- Partition coefficient : n-octanol / water : No data available.
- Auto-ignition temperature : No data available.
- Thermal decomposition : No data available.
- Viscosity : No data available.
- Explosive Properties : No data available.
- Oxidising properties : No data available.

9.2. Other information

- Other data : No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

Stable.

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SECTION 10. Stability and reactivity (continued)

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Conditions to avoid : Open flame. Sparks. Heat.

10.5. Incompatible materials

Materials to avoid : Strong oxidizers.

10.6. Hazardous decomposition products

Hazardous decomposition products : Hydrocarbon. Carbon monoxide. Carbon dioxide.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Le tétrapropénylphénol(TPP), a fait l'objet d'une étude de toxicité pour la reproduction sur une génération par gavage chez le rat(doses de 0-5-25 ou 125mg/kg/j) et d'une étude de toxicité pour la reproduction sur deux générations par voie alimentaire chez le rat (doses de 0-1,5-15 ou 75mg/kg/j). Les résultats de l'étude sur une génération ont montré une réduction du poids des ovaires, et des changements dans les organes sexuels accessoires mâles (réduction du poids des organes,baisse des sécrétions et baisse des concentrations de sperme épидидymaire)à 25 mg/kg/j; la dose sans effet nocif observé(NOAEL) a été établie à 5mg/kg/j. Les résultats de l'étude sur deux générations ont montré un allongement du cycle oestral, réduction du poids des ovaires, accélération de la maturation sexuelle, baisse de la taille des portées vivantes,baisse des taux de fertilité, une hypospermie et une réduction du poids des organes sexuels accessoires mâles à 75 mg/kg/jr; la NOAEL a été établie à 5mg/kg/jr.

L'évaluation de ces deux études primaires sur la TPP, ainsi que de données complémentaires issues d'études in-vivo et in-vitro additionnelles portant sur la TPP et sur des substances contenant du TPP et du TPP/sels de calcium en tant qu'impuretés ont amené à classer le TPP dans la Catégorie 1B en vertu des critères du système général harmonisé et du règlement (CE) n°1907/2006. Ces études ont également été évaluées pour identifier une limite de concentration spécifique(SCL) valable et fiable pour les effets sur la reproduction, en dessous de laquelle aucune toxicité pour la reproduction n'est présumée. Une SCL de 1.5% pond. de TPP et de TPP/sels de calcium a été déduite sur la base de la NOAEL identifiée à partir de l'étude de toxicité pour la reproduction sur deux générations par voie alimentaire chez le rat et confirmée par des études complémentaires sur des substances contenant du TPP en tant qu'impureté.

Refer to Summary of hazards

Acute toxicity

- **Inhalation** : • 1,2,4-trimethylbenzene : Rat inhalation CL50 [mg/m³] : 18000
- **Dermal** : • Mineral oil : Rabbit dermal LD50 [mg/kg] : > 2000
• 1,2,4-trimethylbenzene : Rabbit dermal LD50 [mg/kg] : 3160
- **Ingestion** : • Mineral oil : Rat oral LD50 [mg/kg] : > 5000
• Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14-tert-alkyl : Rat oral LD50 [mg/kg] : 2000
• 1,2,4-trimethylbenzene : Rat oral LD50 [mg/kg] : 3400 - 6000

SECTION 12. Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

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SECTION 12. Ecological information (continued)

12.2. Persistence - degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

SECTION 14. Transport information

14.1. UN Number

Unregulated.

14.2. Proper shipping name

Unregulated.

14.3. Transport Hazard Classification

Unregulated.

14.4. Packing group

Unregulated.

14.5. Environmental hazards

In case of spillage and/or leakage : Clean up even minor leaks or spills if possible without unnecessary risk.

14.6. Special precautions for user

Emergency action in case of accident : Stop the engine. No naked lights. No smoking. Mark roads and warns other road users. Keep public away from danger area. NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY.

14.7. Bulk transport - annex II Marpol 73/78 - IBC

No data available.

SECTION 15. Regulatory information

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

Ensure all national/local regulations are observed.

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SECTION 15. Regulatory information (continued)

: Table RG 36: Diseases caused by oils and fats mineral or synthetic. (FRANCE)
 RG 49 Table : Skin disorders caused by aliphatic amines, alicyclic or ethanalamines. (FRANCE)
 RG 65 Table: Injury mechanism allergic eczema. (FRANCE)

Other

15.2. Chemical Safety Assessment

No data available.

SECTION 16. Other information

Text of H-Phrases :

- : H302 - Harmful if swallowed.
- H304 - May be fatal if swallowed and enters airways.
- H314 - Causes severe skin burns and eye damage.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H335 - May cause respiratory irritation.
- H360 - May damage fertility or the unborn child .
- H361 - Suspected of damaging fertility or the unborn child .
- H373 - May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.
- H411 - Toxic to aquatic life with long lasting effects.
- H413 - May cause long lasting harmful effects to aquatic life.

Text of R-Phrases :

- : R22 : Harmful if swallowed.
- R34 : Causes burns.
- R36/38 : Irritating to eyes and skin.
- R37 : Irritating to respiratory system.
- R41 : Risk of serious damage to eyes.
- R43 : May cause sensitization by skin contact.
- R48/22 : Harmful : danger of serious damage to health by prolonged exposure if swallowed.
- R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R53 : May cause long-term adverse effects in the aquatic environment.
- R60 : May impair fertility.
- R62 : Possible risk of impaired fertility.
- R63 : Possible risk of harm to the unborn child.

Recommended uses and restrictions : See product bulletin for detailed information.

Further information : Revision - See : *
 Label : 736 321 VR3
 Safety data sheet available for professional user on request.

Print date : 4 / 1 / 2016

The contents and format of this SDS are in accordance with Regulation (EC) N° 453/2010 of the European Parliament and of the Council.

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