

Reviewed on 05/21/2021

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í	I Identification				
	· Product identifier				
	• Trade name: <u>CROSS POW</u>		ASU MA2		
ult.ch	Application of the substar Only for proper handling. Engine oil	nce / the mixture			
	• Details of the supplier of t • Manufacturer/Supplier:	he safety data sheet			
	MOTOREX AG Bern–Zürich–Strasse 31, Po CH–4901 Langenthal Tel. +41 (0)62 919 75 75 www.motorex.com	ostfach			mofakul
	 Information department: n Emergency telephone nun USA + Kanada: 1 800 424 22209) 	nber:	emical Manufacturer	rs Association, Arling	ton, VA
			77		
2	2 Hazard(s) identificatio	on			
	· Classification of the subs				
		rmful to aquatic life.			
	Aquatic Chronic 3 H412 Ha	·	th long lasting effects	. P	mofaku
	 Label elements GHS label elements The product is classified and 	d labeled according to	the Globally Harmon	ized System (GHS).	
	Hazard pictograms Void	5	,	y ()	
	 Signal word Void Hazard statements H402 Harmful to aquatic life H412 Harmful to aquatic life Precautionary statements P273 Avoid release to the e 	with long lasting effec	ts.		P
	P501 Dispose of contents regulations. Classification system:	/container in accord	ance with local/reg	gional/national/interr	national mofaku
	• NFPA ratings (scale 0 - 4) Health = 0 Fire = 1				
	O O Reactivity = 0				- b
	HMIS-ratings (scale 0 - 4)				Þ
	 Image: A set of the set of the				Þ
ult.ch	HMIS-ratings (scale 0 - 4) HEALTH 10 HEALTH 11 FIRE 11		© mofakult.ch	mofakult.ch	
ult.ch	 HMIS-ratings (scale 0 - 4) HEALTH 10 Health = *0 Fire = 1 Reactivity 0 Other hazards Results of PBT and vPvB PBT: Not applicable. 		© mofakult.ch	mofakult.ch	mofakul us

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Printing date 09/17/2021 Reviewed on 05/21/2021 Trade name: CROSS POWER 4T SAE 10W/60 JASO MA2 (Contd. of page 1) 3 Composition/information on ingredients Chemical characterization: Mixtures · Description: Mixture of the substances listed below with nonhazardous additions. • Dangerous components: mofak Mineral oils (mixture) ≥2.5-≤7.5% Asp. Tox. 1, H304 Phosphorodithioic acid, mixed O,O-bis (1,3-diethylbutyl and iso-Pr)esters, zinc salts CAS: 84605-29-8 ≥0.25-<2.5% EINECS: 283-392-8 Eye Dam. 1, H318; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Aquatic Acute 2, H401 fakult.ch Reaction products of benzenesulfonic acid, 0.1-0.25% EC number: 947-519-7 mono-C20-24 (even)-sec-alkyl derivs. Para-, calcium salts Skin Sens. 1B, H317 CAS: 121158-58-5 ≥0.0025-<0.025% phenol, dodecyl-, branched Repr. 1A, H360; Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic EC number: 310-154-3 Index number: 604-092-00-9 Chronic 1, H410 (M=10) · Additional information: Note L: The classification as carcinogen does not apply because the mixture (or substance) contains less than 3% dimethyl sulfoxide extract (DMSO), measured according to IP 346. 4 First-aid measures · Description of first aid measures · After inhalation: Supply fresh air; consult doctor in case of complaints. · After skin contact: mofakult.ch Remove residues with soap and water. Remove contaminated clothing immediately. · After eye contact: Rinse opened eye for several minutes under running water. Consult a physician if irritation develops. · After swallowing: Do not induce vomitting. Do not take in resorption stimulating agents. mofakult.ch Consult a physician who will decide on need and method of emptying the stomach. · Information for doctor: · Most important symptoms and effects, both acute and delayed No further relevant information available. · Indication of any immediate medical attention and special treatment needed No further relevant information available. 5 Fire-fighting measures · Extinguishing media • Suitable extinguishing agents: Use fire fighting measures that suit the environment. mofakult.ch · Special hazards arising from the substance or mixture In case of fire carbon, sulphur and phosphorus oxides can be formed. · Advice for firefighters · Protective equipment: No special measures required. 6 Accidental release measures it ch mofakult.ch · Personal precautions, protective equipment and emergency procedures Not required. (Contd. on page 3) US



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• Environmental precautions: Do not allow product to reach sewage system or any water course.		(Contd. of page 2
		(Conto: of page 2
Inform respective authorities in case of seepage into water course or sewa	age syster	n.
Do not allow to enter sewers/ surface or ground water. • Methods and material for containment and cleaning up:		
Absorb with liquid-binding material (sand, diatomite, acid binders, universa	l binders.	sawdust).
Dispose contaminated material as waste according to item 13.	- HIORANGA	3011-00000
Reference to other sections		
No dangerous substances are released. See Section 7 for information on safe handling.		
See Section 7 for information on personal protection equipment.		
See Section 13 for disposal information.		
· Protective Action Criteria for Chemicals		n
· PAC-1:		
64742-65-0 Distillates (petroleum), solvent-dewaxed heavy paraffinic		140 mg/m ³
122-39-4 diphenylamine		30 mg/m ³
108-31-6 maleic anhydride		0.2 ppm
· PAC-2:	moiakuit	.ch
64742-65-0 Distillates (petroleum), solvent-dewaxed heavy paraffinic		1,500 mg/m ³
122-39-4 diphenylamine		180 mg/m ³
108-31-6 maleic anhydride		2 ppm
· PAC-3:		
64742-65-0 Distillates (petroleum), solvent-dewaxed heavy paraffinic	- 0	8,900 mg/m ³
122-39-4 diphenylamine	r	220 mg/m ³
108-31-6 maleic anhydride		20 ppm
7 Handling and storage motakult ch	mofakult	ch
7 Handling and storage mofakult.ch	mofakult	:_ch
· Handling:	mofakult	.ch
 Handling: Precautions for safe handling 		
· Handling:	ng skin ca	ncer. Therefore
 Handling: Precautions for safe handling Used oils (motor oils, gear oils, industrial oils) contain components causi 	ng skin ca ts of the s	ncer. Therefore kin with soap. ash point.
 Handling: Precautions for safe handling Used oils (motor oils, gear oils, industrial oils) contain components causin avoid skin contact by wearing protecting gloves. Carefully clean soiled par 	ng skin ca ts of the s	ncer. Therefore kin with soap.
 Handling: Precautions for safe handling Used oils (motor oils, gear oils, industrial oils) contain components causin avoid skin contact by wearing protecting gloves. Carefully clean soiled par Information about protection against explosions and fires: Do not heat Conditions for safe storage, including any incompatibilities Storage: 	ng skin ca ts of the s at above fl	ncer. Therefore kin with soap. ash point.
 Handling: Precautions for safe handling Used oils (motor oils, gear oils, industrial oils) contain components causin avoid skin contact by wearing protecting gloves. Carefully clean soiled par Information about protection against explosions and fires: Do not heat Conditions for safe storage, including any incompatibilities Storage: Requirements to be met by storerooms and receptacles: No special receptacles 	ng skin ca ts of the s at above fl equiremen	ncer. Therefore kin with soap. ash point.
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 Handling: Precautions for safe handling Used oils (motor oils, gear oils, industrial oils) contain components causin avoid skin contact by wearing protecting gloves. Carefully clean soiled par Information about protection against explosions and fires: Do not heat Conditions for safe storage, including any incompatibilities Storage: Requirements to be met by storerooms and receptacles: No special re- Information about storage in one common storage facility: Not require Further information about storage conditions: Store containers closed and protect against rain, dust, heat and other atmost Storage class: 10 Specific end use(s) No further relevant information available. 8 Exposure controls/personal protection Additional information about design of technical systems: No further	ng skin ca ts of the s at above fl equiremen ed. ospheric in data; see ce:	ncer. Therefore kin with soap. ash point. ts. nfluences.



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ade name: CROSS POWER 4T SAE 1	10W/60 JASO MA2		
mofakult.ch	mofakult.ch	(Contd.	of page 3)
Exposure controls			
Personal protective equipment:			
General protective and hygienic m			
Keep away from foodstuffs, beverage Wash hands before breaks and at the			
Do not inhale gases / fumes / aerosol			
· Breathing equipment:			
Not necessary if room is well-ventilate			
Respiratory protection if formation of • Protection of hands:	aerosoi or mist: use mask v	nth flitter type A2, A2/P2 or	ABEK.
The glove material has to be impe	ermeable and resistant to	the product/ the substa	nce/ the
preparation. A kult ch			
Selection of the glove material on co	onsideration of the penetrati	ion times, rates of diffusior	n and the
degradation · Material of gloves			
The selection of the suitable gloves of	loes not only depend on the	e material, but also on furth	er marks
of quality and varies from manufactu	rer to manufacturer. As the	product is a preparation o	f several
substances, the resistance of the glo		lated in advance and has i	therefore
to be checked prior to the application. • Penetration time of glove material			
The exact break through time has to	be found out by the manufa	acturer of the protective glo	oves and
has to be observed.	-	, 0	
· Eye protection: Goggles recommend			
Body protection: Protective work cla	oming		122
9 Physical and chemical prope		~	
 Information on basic physical and General Information 		~	
· Information on basic physical and	chemical properties	r~ mofakult.ch	
 Information on basic physical and General Information Appearance: 	chemical properties	mofakult.ch	
 Information on basic physical and General Information Appearance: Form: Color: Odor: 	chemical properties	r mofakult.ch	
 Information on basic physical and General Information Appearance: Form: Color: Odor: Odor threshold: 	chemical properties Fluid Dark yellow Characteristic Not determined.	r mofakult.ch	
 Information on basic physical and General Information Appearance: Form: Color: Odor: Odor: Odor threshold: pH-value: 	chemical properties		m
 Information on basic physical and General Information Appearance: Form: Color: Odor: Odor threshold: pH-value: Change in condition 	chemical properties		m
 Information on basic physical and General Information Appearance: Form: Color: Odor: Odor threshold: pH-value: 	chemical properties		m
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 Information on basic physical and General Information Appearance: Form: Color: Odor: Odor: Odor threshold: PH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range: Flash point: Flammability (solid, gaseous): Ignition temperature: Model 	chemical properties Fluid Dark yellow Characteristic Not determined. Not determined. Undetermined. Undetermined. 200 °C (>392 °F) Not applicable. Mot applicable.	1794)	m
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Evaporation rate Not determined. Solubility in / Miscibility with Water: Not miscible or difficult to mix. Partition coefficient (n-octanol/water): Not determined.	mo	fakult.ch	Ø	mofakult.ch	(Contd.	of page 4
Water: Not miscible or difficult to mix. • Partition coefficient (n-octanol/water): Not determined. • • Viscosity: Dynamic: Not determined. gynamic: 168.3 mm²/s @ 40 °C (DIN 51562-1) • Solvent separation test 0.00 % • Other information No further relevant information available. • Other information No further relevant information available. • Chemical stability • Content: • Thermal decomposition / conditions to be avoided: • O stability of hazardous reactions No dangerous reactions known. • Conditions to avoid No further relevant information available. • • • • • • • • • • • • • • • • • • •	· Evaporation	n rate	Not c	letermined.		
· Viscosity: Dynamic: Not determined. Kinematic: 168.3 mm²/s @ 40 °C (DIN 51562-1) · Solvent separation test 0.00 % · Other information No further relevant information available. · Other information No further relevant information available. · Other information No further relevant information available. · Other information · Onditions to be avoided: No decomposition if used according to specifications. · Possibility of hazardous reactions No dangerous reactions known. · Conditions to avoid No further relevant information available. · Incompatible materials: No further relevant information available. · Hazardous decomposition products: No dangerous reactions known. · Additional valiable. · Hazardous decomposition products: No dangerous decomposition products known. · Information on toxicological effects · Acute toxicity: · montantion · · · · · · · · · · · · · · · · · · ·		n / Miscibili		niscible or difficult to mix		
Dynamic: Not determined. Kinematic: 168.3 mm%s @ 40 °C (DIN 51562-1) Solvent separation test VOC content: 0.00 % Other information No further relevant information available. O Stability and reactivity No further relevant information available. • Chemical stability motifications. • Thermal decomposition / conditions to be avoided: motifications. • Possibility of hazardous reactions No dangerous reactions known. • Conditions to avoid No further relevant information available. • Incompatible materials: No further relevant information available. • Incompatible materials: No further relevant information available. • Hazardous decomposition products: No dangerous decomposition products known. • Information on toxicological effects • Acute toxicity: motification: • Motification: • Information on toxicological effects • Acute toxicity: • motification: • ABd05-29-8 Phosphorodithioic acid, mixed O,O-bis (1,3-diethylbutyl and iso-Pr)esters, zinc salts • Oral 100 mg/kg/24h (rat) Oral NOEL 40 mg/kg/24h (rat) • motification • motification 0 rat LD50 15,000 mg/kg (rat) • motification • motification Oral LD50 15,0	· Partition co	efficient (n	-octanol/water): Not a	letermined.		
VOC content: 0.00 % Other information No further relevant information available. O Stability and reactivity Reactivity No further relevant information available. Chemical stability Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications. Possibility of hazardous reactions No dangerous reactions known. Conditions to avoid No further relevant information available. Incompatible materials: No further relevant information available. Incompatible materials: No further relevant information available. Incompatible materials: No further relevant information available. Information on toxicological effects Acute toxicity: Corditions UDLC50 values that are relevant for classification: B4605-29-8 Phosphorodithincic acid, mixed O,O-bis (1,3-diethylbutyl and iso-Pr)esters, zinc salts Oral NOEL NOAEL 40 mg/kg/24h (rat) NOAEL 2,002 mg/kg (rat) Inhalative LC50 / 4h 2,3 mg/l (rat) Inhalative LC50 / 4b 2,3 mg/l (rat) Ibbs 2,100-2,200 mg/kg (rat) NOAEL 60-100 mg/kg/24h (rat) NOAEL 60-100 mg/kg (rat)	Dynamic:	×			1562-1)	
OStability and reactivity • Reactivity No further relevant information available. • Chemical stability • Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications. • Possibility of hazardous reactions No dangerous reactions known. • Conditions to avoid No further relevant information available. • Incompatible materials: No further relevant information available. • Hazardous decomposition products: No dangerous decomposition products known. • Toxicological information • Information on toxicological effects • Acute toxicity: • LD/LC50 values that are relevant for classification: 84605-29-8 Phosphorodithioic acid, mixed 0,0-bis (1,3-diethylbutyl and iso-Pr)esters, zinc salts Oral NOEL 40 mg/kg/24h (rat) NOAEL 160 mg/kg/24h (rat) Inhalative LC50 2,002 mg/kg (rat) modekultch Inhalative L050 0ral L050 0rota				%		
 Reactivity No further relevant information available. Chemical stability Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications. Possibility of hazardous reactions No dangerous reactions known. Conditions to avoid No further relevant information available. Incompatible materials: No further relevant information available. Hazardous decomposition products: No dangerous decomposition products known. 1 Toxicological information Information on toxicological effects Acute toxicity: Information on toxicological effects 2,002 mg/kg/24h (rat) NOAEL 160 mg/kg/24h (rat) Inhalative LC50 / 4h 2,002 mg/kg (rat) Inhalative LC50 / 4h 2,002 mg/kg (rat) Inhalative LD50 2,100-2,200 mg/kg (rat) NOEL 60-100 mg/kg/24h (rat) NOAEL 60-100 mg/kg/24h (rat) NOAEL 60-100 mg/kg/24h (rat) NOAEL 15,000 mg/kg (rabbit) Primary irritant effect: on the skin: No irritant effect: on the skin: No irritant effect: on the skin: No irritant effect: Sensitization: No sensitizing effects known. Additional toxicological information: Carcinogenic categories	· Other inform	mation	No fu	rther relevant informatic	n available.	m
Acute toxicity: motakulton LD/LC50 values that are relevant for classification: 84605-29-8 Phosphorodithioic acid, mixed O,O-bis (1,3-diethylbutyl and iso-Pr)esters, zincosalts Oral NOEL 40 mg/kg/24h (rat) NOAEL 160 mg/kg/24h (rat) Dermal LD50 2,002 mg/kg (rat) Inhalative LC50 / 4h 2.3 mg/l (rat) 121158-58-5 phenol, dodecyl-, branched 0 Oral LD50 2,100-2,200 mg/kg (rat) NOEL 5-50 mg/kg/24h (rat) NOAEL 60-100 mg/kg/24h (rat) NOAEL 60-100 mg/kg/24h (rat) NOAEL 60-100 mg/kg/24h (rat) NOAEL 5.50 mg/kg/24h (rat) NOAEL 500 mg/kg (rabbit) Primary irritant effect: on the skin: No irritant effect. on the skin: No irritant effect. sensitization: No sensitizing effects known. Additional toxicological information: Motakutch Carcinogenic categories · IARC (International Agency for Research on Cancer) None of the ingredients is listed.	No decompo • Possibility • Conditions • Incompatible	osition if use of hazardo to avoid N le materials	ed according to specific us reactions No dange o further relevant inforr s: No further relevant ir	ations. erous reactions known. nation available. ıformation available.	products known.	
84605-29-8 Phosphorodithioic acid, mixed O,O-bis (1,3-diethylbutyl and iso-Pr)esters, zince salts Oral NOEL 40 mg/kg/24h (rat) NOAEL 160 mg/kg/24h (rat) 0 Dermal LD50 2,002 mg/kg (rat) 0 Inhalative LC50 / 4h 2.3 mg/l (rat) 0 121158-58-5 phenol, dodecyl-, branched 0 1 Oral LD50 2,100-2,200 mg/kg (rat) 0 NOEL 5-50 mg/kg/24h (rat) 0 0 NOEL 5-50 mg/kg/24h (rat) 0 0 NOEL 5-50 mg/kg (rat) 0 0 NOAEL 60-100 mg/kg/24h (rat) 0 0 Dermal LD50 15,000 mg/kg (rabbit) 0 • Primary irritant effect: • on the skin: No irritant effect. • on the skin: No irritant effect. • on the skin: No irritant effect. • Sensitization: No sensitizing effects known. • Additional toxicological information: • Additional toxicological information: • of akuttch • of akuttch • of akuttch • No.e of the ingredients is listed. • of akuttch • of akuttch • of akuttch • Additional toxicological		gical info		<u> </u>		
Oral NOEL 40 mg/kg/24h (rat) NOAEL 160 mg/kg/24h (rat) Dermal LD50 2,002 mg/kg (rat) Inhalative LC50 / 4h 2.3 mg/l (rat) 121158-58-5 phenol, dodecyl-, branched Oral LD50 2,100-2,200 mg/kg (rat) Oral LD50 2,100-2,200 mg/kg (rat) MOEL 5-50 mg/kg/24h (rat) NOEL 5-50 mg/kg/24h (rat) MOEL 5-50 mg/kg/24h (rat) NOAEL 60-100 mg/kg/24h (rat) MOEL MOEL Dermal LD50 15,000 mg/kg (rabbit) MOEL • Primary irritant effect: on the skin: No irritant effect. motakult.ch • on the skin: No irritant effect. Sensitization: No sensitizing effects known. • Additional toxicological information: Motakult.ch O • Carcinogenic categories Information: Motakult.ch Motakult.ch • None of the ingredients is listed. None of the ingredients is listed. Information:	 Information Acute toxic 	fical info on toxicol ity:	ogical effects	0		
Definial LD50 2,002 mig/kg (rat) Inhalative LC50 / 4h 2.3 mg/l (rat) 121158-58-5 phenol, dodecyl-, branched Oral LD50 2,100-2,200 mg/kg (rat) NOEL 5-50 mg/kg/24h (rat) mofakultch Dermal LD50 15,000 mg/kg (rabbit) mofakultch Dermal LD50 15,000 mg/kg (rabbit) mofakultch Primary irritant effect: . . . on the skin: No irritant effect. . . . · Primary irritant effect. . . . · on the skin: No irritant effect. . . . · on the eye: No irritating effects known. . . . · Additional toxicological information: · Carcinogenic categories · IARC (International Agency for Research on Cancer) None of the ingredients is listed. 	Information Acute toxic LD/LC50 va 84605-29-8	fical info on toxicol ity: lues that a Phosphore	ogical effects re relevant for classif	ication:	mofakult.ch	
121158-58-5 phenol, dodecyl-, branched Oral LD50 2,100-2,200 mg/kg (rat) NOEL 5-50 mg/kg/24h (rat) mofakult.ch Dermal LD50 15,000 mg/kg (rabbit) mofakult.ch Primary irritant effect: on the skin: No irritant effect. mofakult.ch • on the skin: No irritating effect. sensitization: No sensitizing effects known. mofakult.ch • Additional toxicological information: mofakult.ch mofakult.ch • Carcinogenic categories information: mofakult.ch • None of the ingredients is listed. None of the ingredients is listed. mofakult.ch	Information Acute toxic LD/LC50 va 84605-29-8 Oral N	ical info on toxicol ity: lues that a Phosphore salts IOEL 40 IOAEL 10	ogical effects re relevant for classif odithioic acid, mixed 0 mg/kg/24h (rat) 60 mg/kg/24h (rat)	ication: 0,0-bis (1,3-diethylbu	mofakult.ch	s, zinc
Oral LD50 2,100-2,200 mg/kg (rat) NOEL 5-50 mg/kg/24h (rat) mofakult.ch NOAEL 60-100 mg/kg/24h (rat) mofakult.ch Dermal LD50 15,000 mg/kg (rabbit) mofakult.ch • Primary irritant effect: • on the skin: No irritant effect. • on the eye: No irritating effect. • on the eye: No irritating effect. • Sensitization: No sensitizing effects known. • Additional toxicological information: • Carcinogenic categories • IARC (International Agency for Research on Cancer) Mone of the ingredients is listed.	Information Acute toxic LD/LC50 va 84605-29-8 Oral N Dermal L	ical info on toxicol ity: lues that a Phosphoro salts IOEL 40 IOAEL 10 D50 2,	ogical effects re relevant for classif odithioic acid, mixed 0 mg/kg/24h (rat) 60 mg/kg/24h (rat) 002 mg/kg (rat)	ication: 0,0-bis (1,3-diethylbu	mofakult.ch	
NOEL 5-50 mg/kg/24h (rat) NOAEL 60-100 mg/kg/24h (rat) Dermal LD50 15,000 mg/kg (rabbit) • Primary irritant effect: . • on the skin: No irritant effect. . • on the eye: No irritating effect. . • Sensitization: No sensitizing effects known. . • Additional toxicological information: . • Carcinogenic categories . • IARC (International Agency for Research on Cancer) . None of the ingredients is listed. .	 Information Acute toxic LD/LC50 va 84605-29-8 Oral N Dermal L Inhalative 	on toxicol ity: lues that a Phosphore salts IOEL 40 IOAEL 10 D50 2, C50 / 4h 2.	ogical effects re relevant for classif odithioic acid, mixed 0 mg/kg/24h (rat) 60 mg/kg/24h (rat) 002 mg/kg (rat) 3 mg/l (rat)	ication: 0,0-bis (1,3-diethylbu	mofakult.ch	s, zinc
NOAEL 60-100 mg/kg/24h (rat) mofakult.ch Dermal LD50 15,000 mg/kg (rabbit) • Primary irritant effect: - • on the skin: No irritant effect. - • on the eye: No irritating effect. - • Sensitization: No sensitizing effects known. - • Additional toxicological information: Mofakult.ch • Carcinogenic categories - • IARC (International Agency for Research on Cancer) None of the ingredients is listed.	Information Acute toxic LD/LC50 va 84605-29-8 Oral N Dermal L Inhalative L 121158-58-5	Tical info on toxicol ity: lues that a Phosphore salts IOEL 40 IOAEL 10 D50 2, C50 / 4h 2.	ogical effects re relevant for classif odithioic acid, mixed 0 mg/kg/24h (rat) 60 mg/kg/24h (rat) 002 mg/kg (rat) 3 mg/l (rat) odecyl-, branched	ication: 0,0-bis (1,3-diethylbu	mofakult.ch	s, zinc
Dermal LD50 15,000 mg/kg (rabbit) • Primary irritant effect: • on the skin: No irritant effect. • on the eye: No irritating effect. • Sensitization: No sensitizing effects known. • Additional toxicological information: • Offection • Carcinogenic categories • IARC (International Agency for Research on Cancer) None of the ingredients is listed.	Information Acute toxic LD/LC50 va 84605-29-8 Oral N Dermal L Inhalative L 121158-58-5 Oral L	ical info on toxicol ity: lues that a Phosphoro salts IOEL 40 IOAEL 10 D50 2, C50 / 4h 2. 5 phenol, d D50 2,	ogical effects re relevant for classif odithioic acid, mixed 0 mg/kg/24h (rat) 60 mg/kg/24h (rat) 002 mg/kg (rat) 3 mg/l (rat) odecyl-, branched 100-2,200 mg/kg (rat)	ication: 0,0-bis (1,3-diethylbu	mofakult.ch	s, zinc
 on the skin: No irritant effect. on the eye: No irritating effect. Sensitization: No sensitizing effects known. Additional toxicological information: Carcinogenic categories IARC (International Agency for Research on Cancer) None of the ingredients is listed. 	 Information Acute toxic LD/LC50 va 84605-29-8 Oral N Dermal L Inhalative L 121158-58-5 Oral L N 	ical info on toxicol ity: lues that a Phosphoro salts IOEL 40 IOAEL 10 IOAEL 10 IOAEL 10 IOAEL 2, C50 / 4h 2. 5 phenol, d D50 2, IOEL 5	ogical effects re relevant for classif odithioic acid, mixed 0 mg/kg/24h (rat) 60 mg/kg/24h (rat) 002 mg/kg (rat) 3 mg/l (rat) odecyl-, branched 100-2,200 mg/kg (rat) 50 mg/kg/24h (rat)	ication: 0,0-bis (1,3-diethylbu	tyl and iso-Pr)ester	s, zinc
Carcinogenic categories IARC (International Agency for Research on Cancer) None of the ingredients is listed.	Information Acute toxic LD/LC50 va 84605-29-8 Oral N Dermal L Inhalative L 121158-58-5 Oral L N	ical info on toxicol ity: lues that a Phosphore salts IOEL 40 IOAEL 10 D50 2, C50 / 4h 2, D50 2, D50 2, IOEL 40 D50 2, IOEL 5, IOEL 5, IOEL 5, IOAEL 60	ogical effects re relevant for classif odithioic acid, mixed 0 mg/kg/24h (rat) 60 mg/kg/24h (rat) 002 mg/kg (rat) 3 mg/l (rat) 0decyl-, branched 100-2,200 mg/kg (rat) 50 mg/kg/24h (rat) 0-100 mg/kg/24h (rat)	ication: 0,0-bis (1,3-diethylbu	tyl and iso-Pr)ester	s, zinc
IARC (International Agency for Research on Cancer) None of the ingredients is listed.	 Information Acute toxic LD/LC50 va 84605-29-8 Oral Dermal Inhalative I21158-58-5 Oral Dermal Dermal Primary irrition on the skinu on the eye: Sensitization 	ical info on toxicol ity: lues that a Phosphore salts IOEL 40 IOAEL 10 D50 2, IOEL 5 IOAEL 60 D50 1, tant effect: No irritating on: No sens	ogical effects re relevant for classif odithioic acid, mixed 0 mg/kg/24h (rat) 60 mg/kg/24h (rat) 002 mg/kg (rat) 3 mg/l (rat) 004 cyl-, branched 100-2,200 mg/kg (rat) 50 mg/kg/24h (rat) 50 mg/kg/24h (rat) 50 0 mg/kg/24h (rat) 5,000 mg/kg (rabbit) effect. effect.	ication: O,O-bis (1,3-diethylbu mofakult.ch	tyl and iso-Pr)ester	s, zinc
None of the ingredients is listed.	Information Acute toxic LD/LC50 va 84605-29-8 Oral N Dermal L Inhalative L 121158-58-5 Oral L Oral L Primary irrit on the skin on the eye: Sensitizatio Additional t	ical info on toxicol ity: lues that a Phosphore salts IOEL 40 IOAEL 10 D50 2, C50 / 4h 2. 5 phenol, d D50 2, IOAEL 60 D50 13 tant effect: No irritating on: No sens toxicologic	ogical effects re relevant for classif odithioic acid, mixed omg/kg/24h (rat) 60 mg/kg/24h (rat) 002 mg/kg (rat) 3 mg/l (rat) odecyl-, branched 100-2,200 mg/kg (rat) 50 mg/kg/24h (rat) 50 mg/kg/24h (rat) 50 omg/kg/24h (rat) 5,000 mg/kg (rabbit) effect. effect. effect. al information:	ication: O,O-bis (1,3-diethylbu mofakult.ch	tyl and iso-Pr)ester	s, zinc
	 Information Acute toxic LD/LC50 va 84605-29-8 Oral Dermal Inhalative I21158-58-5 Oral Oral Primary irrition on the skint on the skint on the skint Sensitization Additional to Carcinogen 	ical info on toxicol ity: lues that a Phosphore salts IOEL 40 IOAEL 10 D50 2, IOEL 5- IOAEL 60 D50 1; tant effect: No irritant No irritating on: No sens toxicologic ic categori	ogical effects re relevant for classif odithioic acid, mixed 0 mg/kg/24h (rat) 60 mg/kg/24h (rat) 002 mg/kg (rat) 3 mg/l (rat) 002 mg/kg (rat) 3 mg/l (rat) 002 mg/kg/24h (rat) 50 mg/kg/24h (rat) 50 mg/kg/24h (rat) 50 00 mg/kg (rabbit) effect. effect. effect. itizing effects known. al information:	ication: O,O-bis (1,3-diethylbu mofakult.ch	tyl and iso-Pr)ester	s, zinc
	 Information Acute toxic LD/LC50 va 84605-29-8 Oral Dermal Inhalative L 121158-58-5 Oral Cral Primary irrition on the skint on the skint on the skint Sensitization Additional to Carcinogen IARC (Internet) 	ical info on toxicol ity: lues that a Phosphore salts IOEL 40 IOAEL 10 D50 2, C50 / 4h 2. 5 phenol, d D50 2, IOEL 5- IOAEL 60 D50 13 tant effect: No irritating on: No sens toxicologic ic categori national Ag	ogical effects re relevant for classif odithioic acid, mixed omg/kg/24h (rat) 60 mg/kg/24h (rat) 60 mg/kg/24h (rat) 002 mg/kg (rat) 3 mg/l (rat) odecyl-, branched 100-2,200 mg/kg (rat) 50 mg/kg/24h (rat) 50 mg/kg/24h (rat) 50 mg/kg/24h (rat) 5,000 mg/kg (rabbit) effect. 1 effect. 1 effect.	ication: O,O-bis (1,3-diethylbu mofakult.ch	tyl and iso-Pr)ester	s, zinc

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ira	de name	: CROSS POWER 4T SAE 10W/6	U JASO MA2		
		mofakult.ch	mofakult.ch	(Contd.	of page 5)
	OSHA-C	Ca (Occupational Safety & Health	Administration)	, i i i i i i i i i i i i i i i i i i i	10,
		the ingredients is listed.	,		
12	Ecolod	gical information mofakult.ch		mofakult.ch	
	Toxicity			molakul	
		toxicity:			
	•	9-8 Phosphorodithioic acid, mix	ved O O-bie (1 3-diethyl	hutul and ico-Priestor	e zinc
	04005-2	salts	tea 0,0-bis (1,3-aletiiyi	bulyi and iso-Pijesler	S, 2111C
	LOEC	0.8 mg/l/21d (aquatic invertebrate	s) mofakult.ch		m
	LC50	46 mg/l/96h (fish)			
	EC50	10,000 mg/l/3h (microorganisms)			
	LL50	4.5 mg/l/96h (fish)			
	EL50	23 mg/l/48h (aquatic invertebrates	5)		
	EL50	21-24 mg/l/72h (algae / cyanobaci	,		
	NOEC	0.4-0.8 mg/l/21d (aquatic inverteb			
		1.8 mg/l/96h (fish)	,		
		10 mg/l/48h (aquatic invertebrates	5)		
	Reactio	n products of benzenesulfonic a	-	n)-sec-alkyl derivs. Par	а-,
	calcium				
1	LC50	>1,000 mg/l/96h (Pimephales pror	melas)		
		>100 mg/l/96h (rainbow trout)			
	EC50	>1,000 mg/l/96h (Alga)	-		
		58-5 phenol, dodecyl-, branched			
	EC50	1,000 mg/l/3h (microorganisms)			
	EC50	0.106 mg/l/24h (aquatic invertebra	· · · · · · · · · · · · · · · · · · ·		
	EC10	0.53-0.765 mg/l/72h (algae / cyan			
	EC50	0.15-0.765 mg/l/72h (algae / cyan	,		
	EC50	0.0079-0.0086 mg/l/21d (aquatic i	,		
	EC100	160 mg/l/48h (aquatic invertebrate	,		
	EC0	0.056 mg/l/48h (aquatic invertebra	,		
	EC50	0.037-0.0927 mg/l/48h (aquatic in	vertebrates)		
	EL50	40 mg/l/96h (fish)			
	NOEC	0.0037 mg/l/21d (aquatic inverteb	,		
	NOEC	0.07-0.442 mg/l/72h (algae / cyan	,		
ch	NOEC	0.011 mg/l/48h (aquatic invertebra	ates)		
	NOEC	1,000 mg/l/3h (microorganisms)			
		25 mg/l/96h (fish)			
		ence and degradability No further or in environmental systems:	relevant information avai	lable.	
		mulative potential			
		9-8 Phosphorodithioic acid, mix	ced O,O-bis (1,3-diethyl	butyl and iso-Pr)ester	s, zinc
		salts		- •	
			w) (Bioaccumulation)		
		58-5 phenol, dodecyl-, branched			
			g Kow) (Bioaccumulation)		
ch	Biologisc	che Abbaubarkeit <10 % (28d) (Bio	odegradability) (OECD 30	02 D) mofakult.ch	

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	mofakult.ch	mofakult.ch	Contd	of page 6)
	Ecotoxical effects: Remark: Harmful to fish		(Contd.	of page 6)
	· Additional ecological information:			
	General notes: Water hazard class 1 (according to Appendi	ix 1 AwSV): slightly haza	rdous for water	
	Do not allow undiluted product or large q sewage system.			ourse or
	Harmful to aquatic organisms • Results of PBT and vPvB assessment			
	· PBT: Not applicable.			
	 vPvB: Not applicable. Other adverse effects No further relevant i 	nformation available		
				mofaku
1	3 Disposal considerations			
	· Waste treatment methods			
	· Recommendation:	ashald garbaga Da nat	allow product to reach	
	Must not be disposed of together with hous system.	senoid garbage. Do not	allow product to reach	sewage
	Contact waste processors for recycling infor	mation.		
	· Uncleaned packagings:			
	· Recommendation: Disposal must be made	e according to official reg	ulations.	
	mofakult.ch	mofakult.ch	0	mofaku
14	4 Transport information			
	· UN-Number · DOT, ADR/RID/ADN, ADN, IMDG, IATA	Void		
lt.ch	· UN proper shipping name · DOT, ADR/RID/ADN, ADN, IMDG, IATA	Void	mofakult.ch	0
	· Transport hazard class(es)			
	· DOT, ADR/RID/ADN, ADN, IMDG, IATA · Class	Void		
	· Packing group · DOT, ADR/RID/ADN, IMDG, IATA 💟	Void mofakult.ch	Ø	mofaku
	 Packing group DOT, ADR/RID/ADN, IMDG, IATA Environmental hazards: Marine pollutant: 	Void mofakult.ch No	Ø	mofaku
	· DOT, ADR/RID/ADN, IMDG, IATA S · Environmental hazards:		Ø	mofaku
ltich	• DOT, ADR/RID/ADN, IMDG, IATA • Environmental hazards: • Marine pollutant:	No Not applicable.	mofakult.ch	mofaku
ltich	DOT, ADR/RID/ADN, IMDG, IATA Environmental hazards: Marine pollutant: Special precautions for user Transport in bulk according to Annex II c	No Not applicable.	© mofakult.ch	mofaku
lt.ch	 DOT, ADR/RID/ADN, IMDG, IATA Environmental hazards: Marine pollutant: Special precautions for user Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	No Not applicable. of Not applicable.	mofakult.ch	mofaku
lt.ch	DOT, ADR/RID/ADN, IMDG, IATA Environmental hazards: Marine pollutant: Special precautions for user Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code UN "Model Regulation":	No Not applicable. of Not applicable.	mofakult.ch	mofaku
1.	 DOT, ADR/RID/ADN, IMDG, IATA Environmental hazards: Marine pollutant: Special precautions for user Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code UN "Model Regulation": 5 Regulatory information	No Not applicable. of Not applicable. Void		
1t.ch	DOT, ADR/RID/ADN, IMDG, IATA Environmental hazards: Marine pollutant: Special precautions for user Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code UN "Model Regulation":	No Not applicable. of Not applicable. Void		
	DOT, ADR/RID/ADN, IMDG, IATA Environmental hazards: Marine pollutant: Special precautions for user Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code UN "Model Regulation": Safety, health and environmental regulation	No Not applicable. of Not applicable. Void		
It ch	 DOT, ADR/RID/ADN, IMDG, IATA Environmental hazards: Marine pollutant: Special precautions for user Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code UN "Model Regulation": 5 Regulatory information Safety, health and environmental regulation Sara 	No Not applicable. of Not applicable. Void		



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112	ade name: Cr	1055 POWER	4T SAE 10W/60 JAS	SO IVIAZ		
	mo	fakult.ch	Q	mofakult.ch	(Cont	d. of page 7
	· Section 313	(Specific toxi	c chemical listings)	:	,	
	122-39-4 dij	ohenylamine				
	108-31-6 m	aleic anhydride	1			
	TSCA (Toxi	c Substances	Control Act):			
lt.ch	72623-87-1	Lubricating oils	s (petroleum), C20-50), hydrotreated neutral	l oil-based	ACTIVE
	26401-35-4		u /·	· · ·		ACTIVE
	72623-87-1	Lubricating oils	s (petroleum), C20-50), hydrotreated neutra	l oil-based	ACTIVE
		-	u ,	D-bis (1,3-diethylbutyl		ACTIVE
	36878-20-3	Reaction produ	ucts of Benzeneamin	e, N-phenyl- with none	ene (branched)	ACTIVE
	64742-54-7	Distillates (petr	roleum), hydrotreated	l heavy paraffinic	12	ACTIVE
			· •	axed heavy paraffinic		ACTIVE
			hexyl)-((1,2,4-triazol			ACTIVE
-			roleum), solvent-refin			ACTIVE
		diphenylamine		,		ACTIVE
uch		bis(2-ethylhexy	IIIUIanuitui		mofakult.ch	ACTIVE
<u> </u>		1,2,4-triazole	, , -			ACTIVE
		maleic anhydri	ide			ACTIVE
		Air Pollutants				/
		aleic anhydride	D	mofakult.ch	Q	m
	· Proposition		· · · · · · · · · · · · · · · · · · ·		r	
		known to caus				
		ingredients is lis				
			e reproductive toxi	city for females:		
tch	None of the	ingredients is lis	sted. _{nofakult.} ch	D	mofakult.ch	
	· Chemicals	known to caus	e reproductive toxi	city for males:		
	None of the	ingredients is lis	sted.			
	· Chemicals	known to caus	e developmental to	xicitv:		
		ingredients is lis	-			
	mo	fakult ch		mofakult.ch		m
	-	ic categories				
	•		ection Agency)			
	None of the	ingredients is lis	sted.			
	· TLV (Thres	hold Limit Valu	ue)			
	122-39-4 dij	ohenylamine	and a local to a lo	-	and the leader of	A4
en	108-31-6 m	aleic anhydride	metakult.en		motakultion	A4
	· NIOSH-Ca (National Institu	ute for Occupations	I Safety and Health)		
<u> </u>		ingredients is lis				
		•				
	Components	NCS/NLP (EU)	pted from listing:			
	DSL/NDSL (ENCS/METI AICS (Aus) IECSC (CN) ECL/KECI (F HSNO (NZ)	(J)				
	PICCS (RP)				(Conto	d. on page 9

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Printing date 09/17/2021 Reviewed on 05/21/2021 Trade name: CROSS POWER 4T SAE 10W/60 JASO MA2 (Contd. of page 8) fakult.ch · Chemical safety assessment: A Chemical Safety Assessment has been carried out. 16 Other information This information is based on our present knowledge. However, this shall not constitute a guarantee mofakult.ch for any specific product features and shall not establish a legally valid contractual relationship. The classification of the mixture was carried out by calculation in accordance with the rules laid down in Annex I of Regulation (EC) No 1272/2008. No special training instructions to ensure protection of human health and environment are required. · Department issuing SDS: Abteilung Produktsicherheit · Contact: mofakult.ch · Date of preparation / last revision 09/17/2021 / - Abbreviations and acronyms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association mofakult.ch EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent mofakult.ch PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit Skin Corr. 1C: Skin corrosion/irritation - Category 1C mofakult.ch Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Skin Sens. 1B: Skin sensitisation – Category 1B Repr. 1A: Reproductive toxicity – Category 1A Asp. Tox. 1: Aspiration hazard – Category 1 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1 Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2 Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3 mofakult.ch Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3 US