



Atlantis 2T

SPECIFICATIONS

API: TC

JASO: FC

APPROVALS AND CONFORMITY

NMMA TC-W3 SUZUKI YAMAHA MERCURY MARINER JOHNSON KAWASAKI EVINRUDE

CHARACTERISTICS

- Excellent protection against rust and corrosion;
- Can easily be mixed with gasoline;
- High wear protection;
- Extraordinary lubrication;
- High oxidation stability;
- Ash-free formula.

EFFECTS

- Optimal operating reliability;
- Prevents against deposits - spark-plug bridge formation;
- Environment-friendly - low smoke formation;
- Selfmixing in tank;
- Selfmixing and for separate lubrication.

TYPICALS

Specific weight at 15 °C, kg/m ³	867
Viscosity at 40 °C, cSt	35.9
Viscosity at 100 °C, cSt	6.29
Viscosity index, -	126
Flammpunkt PM, °C	107
Pour point, °C	-30
TBN, mgKOH/g	8.7
Colour, -	brown

DESCRIPTION

Wolver Atlantis 2T is specially designed for all 2-stroke outboard engines developed ashless two-stroke oil that meets NMMA TC-W3.

Application

- All 2-stroke petrol outboard engines, jet skis, Personal Watercraft;
- Typical mixture ratio of 1:50 – 2% (Follow manufacturer's recommendation).



Four Stroke Racing 4T SAE 10W-40

SPECIFICATIONS

Engine:	gasoline
SAE:	10W-40
API:	SL
JASO:	MA-2

CHARACTERISTICS

- High wear protection;
- Unusual resistance to aging and oxidation;
- Extreme resistance to high temperatures;
- High lubricity;
- Provides engine cleanliness;
- Low volatility.

EFFECTS

- High reliability;
- Excellent performance at cold start - fast arrival to lubrication points;
- Prevents deposition of carbon deposits;
- Fuel economy due to improved antifriction properties;
- Year-round application;
- Ability to use in motorsport.

DISPOSAL

- Used Wolver Four Stroke Racing 4-T 10W-40 waste oil is classified as Category 2 waste and must be disposed of in designated areas.

TYPICALS

Kinematic viscosity at 100 °C, mm²/s	13.7
Viscosity index, -	153
Pour point, °C	-34
Viscosity CCS at -25°C, mPa·s	6400
TBN, mgKOH/g	6.2
Flash point , °C	215
Density at 15.6 °C, kg/m³	878

DESCRIPTION

Wolver Four Stroke Racing 4T SAE 10W-40 – is special high performance semisynthetic oil elaborated for modern four-stroke engines of motorcycles and small machinery.

Wolver Four Stroke Racing 4T SAE 10W-40 – satisfies the technical demands of all motorcycle manufacturers, and is suitable for all air-cooled and water-cooled 4-stroke motorcycle engines.

Application

- Modern engines of 4-stroke motorcycles;
- Modern engines of 4-stroke power technology.

1L – Can	4125	4260360941252
208L – Barel	4042	4260360940422



Supertec 5W-30

SPECIFICATIONS

Engine:	gasoline, diesel
SAE:	5W-30
API:	SN / CF
ACEA:	A3/B3 / A3/B4

APPROVALS AND CONFORMITY

VW 502.00 VW 505.00 VW 501.01 VW 505.00 MB 229.3 MB 229.5 PSA B71 2296 PSA B71 2300
Renault RN0700 Renault RN0710 GM LL-B-025 Porsche A40 BMW Longlife-01

CHARACTERISTICS

- Extreme wear protection;
- Excellent viscosity-temperature behavior;
- Minimal frictional loss;
- Very high cleaning capability;
- Low volatilization loss;
- High oxidation and temperature stability.

EFFECTS

- Reduces fuel consumption according API EC and reduces exhaust emission;
- Excellent cold starting properties - rapid supply of all points of lubrication;
- Very good operating reliability;
- Optimal engine cleanliness;
- Lowest oil consumption;
- High margin of performance and high product stability;
- Extended oil change intervals;
- Prevents black sludge formation;
- All-year operation.

DISPOSAL

- WOLVER SuperTec SAE 5W-30 is assigned to category 2 of used oils and thus is free for disposal.

TYPICALS

Kinematic viscosity at 100 °C	11.6 mm²/s
Viscosity index	163
Pour point	-36 °C
Viscosity CCS at -30 °C	6200 mPa·s
TBN	9.3 mgKOH/g
Flash point	220 °C
Density at 15.6 °C	843 kg/m³

DESCRIPTION

Wolver Supertec SAE 5W-30 is a hightec synthetic lightrun motor oil especially developed for heavily stressed petrol and diesel car motors.

Wolver Supertec SAE 5W-30 meets the manufacturers` high quality demands for cars. It is excellently applicable for long oil changing intervals and for motors with direct injection. Ideal for hard use on motorways and over short distances.

Utilization

- High-performance and normal four-stroke petrol engines;
- with multivalve technology;
- with turbo charging;
- with catalyst technology;
- Passenger car diesel engines;
- with turbo charging;
- Direct-injection;
- with CDi-technology;
- with catalyst technology.

Miscibility

Wolver Supertec SAE 5W-30 is fully compatible to customary HD oils and can be mixed without any doubts. However, to take full advantage of Wolver Supertec SAE 5W-30 it is recommendable to use only Wolver Supertec SAE 5W-30 when refilling.

1L - Can	4137	4260360941375
4L - Can	4139	4260360941399
20L - Pail	4067	4260360940675
60L - Barrel	4266	4260360942662

208L - Barrel

4037

4260360940378

ТОВ «СП ЮКОЙЛ». Завод технічних олив.
Україна, 09100, Київська обл., Білоцерківський р-н, місто Біла Церква, вул.Пулюя Івана, будинок 48-А
Телефон приймальні: +38 (0612) 65 46 81
Телефон ВТК: +38 (061) 222 80 25
ЄДРПОУ 31852954



Випробувальна лабораторія ТОВ «СП ЮКОЙЛ» атестована на проведення вимірювань показників якості нафтопродуктів, технічних рідин та мастильних матеріалів. Свідоцтво про визнання технічної компетентності № АВ 43-22 від 22.11.2022р. видане ДП «ЗАПОРІЖЖЯСТАНДАРТМЕТРОЛОГІЯ», чинне до 16.11.2024 р

Паспорт якості фасованої продукції №25050.01.01.1
Олива для малих чотирьохтактних бензинових двигунів YUKO
SEMISYNTHETIC 4T 10W-40
ТУ У 23.2-31852954-038:2008

Виробник: ТОВ «СП ЮКОЙЛ»
Розфасовано: ТОВ «СП ЮКОЙЛ» за ТУ У 23.2-31852954-027:2006
Клас в'язкості: **SAE 10W-40**
Клас експлуатаційних властивостей: **API SL JASO MA2**

Дата виготовлення: Червень 2024р.
Тара: каністра 1л ПЕ
Номер партії: 25050.18.06.24.01.

Ф.5 СТП014

Назва показника	Вимоги НД	Фактично	Метод випробувань
Густина при 20°C, кг/м³, не більше	900	871,1	ГОСТ 3900 або ASTM D1298
В'язкість кінематична при температурі 100°C, мм²/с	12,5 - 16,3	14,27	ДСТУ ГОСТ 33 або ASTM D445
Індекс в'язкості, не менше	140	151	ДСТУ ГОСТ 25371 або ASTM D2270
Температура спалаху, визначена у відкритому тиглі, °C, не нижче	200	218	ДСТУ ГОСТ 4333 або ASTM D92
Температура застигання, °C, не вище	- 32	- 40	ГОСТ 20287 або ASTM D97
Масова частка механічних домішок, %, не більше	0,015	0,013	ГОСТ 6370
Масова частка води, %, не більше	Сліди	Сліди	ГОСТ 2477 або ASTM D95
Колір на колориметрі ЦНТ, з розбавленням 15:85 одиниць ЦНТ, не більше	3,5	1,0	ГОСТ 20284 або ASTM D1500
Лужне число, мг КОН/г, не менше	5,0	6,08	ДСТУ 5094 або ГОСТ 11362 або ASTM D4739 або ASTM D2896
Масова частка активних елементів, %, не менше			ГОСТ 13538 або ASTM D6481 або ASTM D6443 або ASTM D4927
- кальцію	0,19	0,223	
- цинку	0,08	0,094	
Зольність сульфатна, %, не більше	1,0	0,90	ДСТУ ISO 3987 або ASTM D874
В'язкість динамічна, мПа·с			ДСТУ 8349 або ASTM D5293
- при мінус 25°C	7 000	6 900	

Паспорт якості дійсний тільки за наявності печатки.

Висновок: якість продукції відповідає вимогам ТУ У 23.2-31852954-038:2008 і ТУ У 23.2-31852954-027:2006

Гарантійний термін зберігання - 5 років
М. П.

Начальник ВТК

Анна ЛАРЧЕНКО





Turbo Evolution 10W-40

СПЕЦИФИКАЦИИ

Двигатель:	бензиновый, дизельный
SAE:	10W-40
API:	CI-4 / SL
ACEA:	A3/B4 / E7

ДОПУСКИ И СООТВЕТСТВИЯ

MB-Approval 228.3 Volvo VDS-3 Mack EO-M Plus / EO-N RENAULT VI, RLD-2

MB 229.1 MAN M 3275 Cummins CES 20071/-72/-75/-76/-77/-78 MTU 2 IVECO

Caterpillar ECF-1-a, ECF-2 ALLISON C-4 Voith Retarder Typ A

СВОЙСТВА

- Full Saps технология;
- Низкая испаряемость и высокая стабильность;
- Исключительные вязкостно-температурные показатели;
- Препятствует образованию осадков и нагара в моторах и в масляном поддоне;
- Оптимальная защита от коррозии, окисления, износа и пенообразования;
- Повышенная устойчивость к нагрузкам;
- Превосходная износоустойчивость.

ЭФФЕКТЫ

- Соответствует требованиям экологических стандартов ЕВРО 3/4/5;
- Всесезонное применение;
- Отличные показатели при запуске двигателя в холодном состоянии;
- Способствует снижению потребления горючего;
- Высокие показатели и стабильность даже при больших интервалах смены масла;
- Препятствует отложению нагара;
- Защита от образования зеркальных поверхностей;
- Минимальный износ при высоких нагрузках на приводные части;
- Универсальность, что снижает количество сортов потребляемого масла для смешанных автопарков.

УТИЛИЗАЦИЯ

- Отработанное масло Wolver Turbo Evolution SAE 10W-40 относится к отходам 2-ой категории и подлежит утилизации в специально отведенных местах.

ТИПИЧНЫЕ ХАРАКТЕРИСТИКИ

Кинематическая вязкость при 100 °C, mm ² /s	14.9
Индекс вязкости, -	165
Температура застывания, °C	-34
Вязкость CCS при -25 °C, mPa·s	6400
Щелочное число, mgKOH/g	10.5
Температура вспышки, °C	228
Плотность при 15,6 °C, kg/m ³	863

ОПИСАНИЕ

Wolver Turbo Evolution 10W-40 высокоэффективное полусинтетическое моторное масло нового уровня для современного автотранспорта и стационарных двигателей, являющегося продуктом эволюции масла класса API CI-4 (в редакции 2002 г.) к более высоким требованиям стандарта ACEA E7 (в редакции 2016 г.)

Wolver Turbo Evolution 10W-40 произведено с применением усовершенствованного и сбалансированного пакета присадок – Stable Protect, который позволяет обеспечить оптимальную продуктивность, термическую, вязкостную и антиокислительную стабильность в течении длительного периода эксплуатации техники.

Wolver Turbo Evolution 10W-40 эффективно работает в двигателях легкой коммерческой техники, магистральных грузовиков, с/х и карьерной техники. Соответствует действующим экологическим стандартам ЕВРО 5/4/3 и может использоваться в двигателях с технологиями очистки выхлопных газов EGR и/или SCR без сажевого фильтра.

Применение

- Дизельные двигатели грузовых автомобилей
 - с турбонаддувом;
 - с катализатором;
 - с EGR-технологией;
 - с SCR-технологией.
- Дизельные двигатели легковых автомобилей
 - с турбонагнетателем;
 - с катализатором.
- 4-тактные бензиновые двигатели
 - с турбонаддувом;
 - многоклапанные;
 - с катализатором.

Совместимость

Wolver Turbo Evolution SAE 10W-40 совместимо со всеми традиционными маслами и может быть смешано с любым из них. Для того, чтобы использовать все преимущества Wolver Turbo Evolution SAE 10W-40 рекомендуется применять это масло не смешивая.

20л - ведро	4398	426036094398
60л - бочка	4400	426036094400
208л - бочка	4399	426036094399

ТОВ «СП ЮКОЙЛ». Завод технічних олів.
Україна, 09100, Київська обл., Білоцерківський р-н, місто Біла Церква, вул. Пулюя Івана, будинок 48-А
Телефон приймальні: +38 (0612) 65 46 81
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ЄДРПОУ 31852954



YUKO-є зареєстрованою торговою маркою ТОВ "СП ЮКОЙЛ"

Випробувальна лабораторія ТОВ «СП ЮКОЙЛ» атестована на проведення вимірювань показників якості нафтопродуктів, технічних рідин та мастильних матеріалів.
Свідчення про визнання технічної компетентності № АВ-ЗП 50-24 від 31.10.2024 р. видане ДП "ДНІПРОСТАНДАРТИМЕТРОЛОГІЯ", чинне до 31.10.2027 р.

Паспорт якості фасованої продукції №04120.01.01.1

Олива моторна YUKO TURBO DIESEL 15W-40

Виробник: ТОВ «СП ЮКОЙЛ» за ТУ У 19.2-31852954-045:2021
Розфасовано: ТОВ «СП ЮКОЙЛ» за ТУ У 23.2-31852954-027:2006
Клас в'язкості: **SAE 15W-40**
Клас експлуатаційних властивостей: API CD/SF



Дата виготовлення: Січень 2025р.
Тара: каністра 5л ПЕ; об'єм партії 394 шт.
Номер партії: 04120.23.01.25.01.

Ф.5 СТ014

Назва показника	Вимоги НД	Фактично	Метод випробувань
Густина при 20°C, кг/м³, не більше	910	888,5	ГОСТ 3900 або ASTM D1298
В'язкість кінематична при 100°C, мм²/с	12,5 - 16,3	14,95	ДСТУ ГОСТ 33 або ASTM D445
Індекс в'язкості, не менше	100	113	ДСТУ ГОСТ 25371 або ASTM D2270
Температура спалаху у відкритому тиглі, °C, не нижче	205	235	ДСТУ ГОСТ 4333 або ASTM D92
Температура застигання, °C, не вище	- 25	- 25	ГОСТ 20287 або ASTM D97
Масова частка механічних домішок, %, не більше	0,015	0,012	ГОСТ 6370
Масова частка води, %, не більше	Сліди	Сліди	ГОСТ 2477 або ASTM D95
Лужне число, мг КОН на 1г оливи, не менше	6,5	7,28	ДСТУ 5094 або ГОСТ 11362 або ASTM D4739 або ASTM D2896
Колір на колориметрі ЦНТ, з розбавленням 15:85 одиниць ЦНТ, не більше	4,5	1,5	ГОСТ 20284 або ASTM D1500
Зольність сульфатна, %, не більше	1,3	1,00	ДСТУ ISO 3987 або ASTM D874
Масова частка активних елементів, %			ГОСТ 13538 або ASTM D6481 або ASTM D6443 або ASTM D4927
- кальцію, не менше	0,25	0,268	
- цинку, не менше	0,045	0,057	
В'язкість динамічна, мПа·с, не більше			ДСТУ 8349 або ASTM D5293
- при мінус 20°C	7 000	7 000	ДСТУ 8349 або ASTM D5293
Випробування на корозію пластинок із сталі та міді	Витримує	Витримує	ГОСТ 2917 або ASTM D130

Паспорт якості дійсний тільки за наявності печатки.
Висновок: якість продукції відповідає вимогам нормативної документації
Гарантійний термін зберігання - 5 років
М. П.

Начальник ВТК _____ Юлія ЄВТУШЕНКО

Підпис

	ALCO QUALITY ASSURANCE LABORATORY TEST REPORT Accreditation No: AZS ISO/IEC 17025:2020/AZ 01.0571.01.21	
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Company: ALCO LLC
 3, Vali Mammadov st., Sabail dist.
 AZ1095, Baku, Azerbaijan

Certificate No.: 20241765
Date of issue: 18/10/2024

Test sample

Product: AVTOIL M-10DM
Batch number: 24101765
Tank ID: T45.3

Manufacture date: 18/10/2024
Date of sampling: 18/10/2024
Date of analysis: 18/10/2024

Test result

Parameters	Unit	Test method	Limit	Test result	Conclusion
Appearance	-	Visual	Bright & Clear	Bright & Clear	Pass
Kinematic viscosity at 100 °C, min.	mm ² /s	GOST 33	Min. 11.40	11.82	Pass
Viscosity index	-	GOST 25371	Min. 90	99	Pass
Water content	%	GOST 2477	Max. 0.05	None	Pass
Pour Point	°C	GOST 20287	Max. -18	-21	Pass
Color, with a dilution of 15:85, units of the CNT	-	GOST 20284	Max. 3.5	0.7	Pass
Density at 15 °C	g/cm ³	GOST 3900	Test & Report	0.8919	Pass

ALCO QUALITY ASSURANCE LABORATORY accredited by AzAK for AZS ISO/IEC 17025:2020 at test laboratory.

Shelf life: 5 years from the date of manufacture of the product if proper storage conditions are followed.

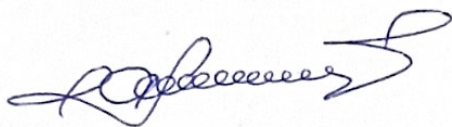
This product meets the specification set out in its product data sheet (PDS) and has been manufactured in a facility fully complying with the requirements of Integrated Management System standards.

	ALCO QUALITY ASSURANCE LABORATORY TEST REPORT Accreditation No: AZS ISO/IEC 17025:2020/AZ 01.0571.01.21	
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Notes & Instructions:

- Tests conducted according to International Standard Test Methods are routinely verified to be in compliance with the latest published versions. Minor changes may be made where they have no material impact on test results and are necessitated by reasons such as safety, environmental standards and method effectiveness.
- This certificate is only valid in its entirety.
- This certificate shall not be reproduced except in full, without the written approval of the laboratory.

Approved by



Allahverdiyeva Aytan
Head of Laboratory



	ALCO QUALITY ASSURANCE LABORATORY TEST REPORT Accreditation No: AZS ISO/IEC 17025:2020/AZ 01.0571.01.21	
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Company: ALCO LLC
 3, Vali Mammadov st., Sabail dist.
 AZ1095, Baku, Azerbaijan

Certificate No.: 20241806-1
Date of issue: 23/10/2024

Test sample

Product: AVTOIL MGE-46V
Batch number: 24101806-1
Tank ID: T41.2

Manufacture date: 23/10/2024
Date of sampling: 23/10/2024
Date of analysis: 23/10/2024

Test result

Parameters	Unit	Test method	Limit	Test result	Conclusion
Appearance	-	Visual	Bright & Clear	Bright & Clear	Pass
Kinematic viscosity at 40 °C	mm ² /s	ASTM D445	41.4-50.6	46.07	Pass
Viscosity index	-	ASTM D2270	Min. 90	100	Pass
Water content	%	ASTM D95	Max. 0.05	None	Pass
Pour Point	°C	ASTM D97	Max. -24	-24	Pass
Color	-	ASTM D1500	Test & Report	1.4	Pass
Density at 15 °C	g/cm ³	ASTM D4052	Test & Report	0.8785	Pass

ALCO QUALITY ASSURANCE LABORATORY accredited by AzAK for AZS ISO/IEC 17025:2020 at test laboratory.

Shelf life: 5 years from the date of manufacture of the product if proper storage conditions are followed.

This product meets the specification set out in its product data sheet (PDS) and has been manufactured in a facility fully complying with the requirements of Integrated Management System standards.

	ALCO QUALITY ASSURANCE LABORATORY TEST REPORT Accreditation No: AZS ISO/IEC 17025:2020/AZ 01.0571.01.21	
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Notes & Instructions:

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Approved by



Aytan Allahverdiyeva
Head of Laboratory





Изготовитель ООО "Черкасский завод автохимии", Украина, г. Черкассы,
ул. В.Чорновола 118, тел. +38 (0472) 64-24-04, 64-04-90

ПАСПОРТ КАЧЕСТВА № 16-1834/2

**Жидкость охлаждающая
низкозамерзающая марки А-38 красный
Антифриз Сt12+
ТУ У 24.6-14215951-001:2010 зі змінами 1-6**

Партия №: 23-769-01
Масса нетто, кг указано на канистре

Дата фасовки
Вид и тип тары

08.12.2023
кан. п/е 10л,5л

№	Название показателя	Норма	Факт	Метод испытания
1	Внешний вид	Однородная прозрачная жидкость без механических примесей. Цвет соответствует образцу-эталоны	Соответствует	ГОСТ 28084-89, п.4.1
2	Плотность при температуре 20 °С, г/см³, не меньше	1,06	1,073	ГОСТ 18995.1-73, раздел 1
3	Температура начала кристаллизации, °С, не выше	-36	-36,0	ГОСТ 28084-89, п.4.3
4	Фракционный состав:			ГОСТ 28084-89, п.4.4
	Точка кипения, °С, не ниже	108	108,0	
	Фракционный состав массовая доля жидкости, перегоняемая до температуры °С, не больше	60	52,0	
5	Коррозионное воздействие на металлы г/м2 сут., не больше			ГОСТ 28084-89, п.4.5
	☐ алюминий	0,1	0,08	
	☐ чугун	0,1	0,07	
	☐ сталь	0,1	0,06	
	☐ медь	0,1	0,05	
	☐ латунь	0,1	0,06	
	☐ припой	0,2	0,12	
6	Вспениваемость:			ГОСТ 28084-89, п.4.6
	☐ Объем пены, см3 не больше	30	0,00	
	☐ Стойкость пены, с, не больше	3	0,00	
7	Содержание золы, %, не более	2,5	0,00	ГОСТ 28084-89
8	Набухание резины, %, не больше	5	0,9	ГОСТ 28084-89, п.4.7
9	Водородный показатель (pH), при 20 °С	7,5-11,0	8,6	ГОСТ 28084-89, п.4.8
10	Щелочность, см3 раствора КОН, не меньше	не нормируется	20,0	ГОСТ 28084-89, п.4.9
11	Температура застывания, °С, не выше	-39	-40,0	ТУ У 24.6-14215951-001:2010, п.6.13

*Согласно протокола периодических испытаний № 23-68 от 02.11.2023

Гарантийный срок хранения – 5 лет

Выбор соответствует требованиям ТУ У 24.6-14215951-001:2010 зі змінами 1-6

Ответственный за анализ Суржикова Н. Л.

Подпись

Контроль качества упаковки Бабенкова Т.

Подпись

Печать

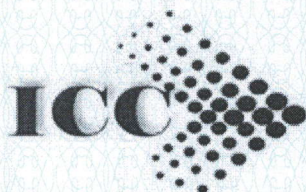


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CERTIFICAT DE CONFORMITATE



Nr. de înregistrare **11 A008170-25**

Data emiterii 14 martie 2025

Valabil până 14 martie 2027

ORGANISMUL DE CERTIFICARE produse din cadrul SC "Inspecție-Certificare-Calitate" S.R.L.
MD 2032, mun. Chișinău, str. Sarmizegetusa, 92, tel./fax 022 50-70-75, www.certificare.md

PRIN PREZENTUL DOCUMENT SE CONFIRMĂ FAPTUL, CĂ PRODUSELE IDENTIFICATE ASTFEL:
DENUMIREA / DESCRIEREA

Produse chimice pentru autoturisme, marca comercială "DA'AUTO'CAR":
soluție apoasă de uree "AD-Blue" pentru motoare Diesel.
Fabricare în serie conform SF 41279445-001:2021

Codul NCM
3102

SÎNT CONFORME CU CERINȚELE OBLIGATORII STABILITE ÎN :

SM GOST R 51696:2003 p.3.2.1 (tab.1, ind. 1); SM STB 1044:2011 p.4, p.5, p.7;
HG RM nr. 996 din 20.08.2003, anexa 2 "Normele privind etichetarea produselor chimice de menaj"

PRODUCĂTOR

"AMID-AUTO" SRL, șos.Muncești, 364, mun. Chișinău, Republica Moldova

Codul țării
MD

SOLICITANT

"AMID-AUTO" SRL, str.Independentei 42, ap. 20, mun. Chișinău,
Republica Moldova

Codul IDNO
1018600036225

CERTIFICATUL ESTE ELIBERAT ÎN BAZA

Raportului de încercări nr. 6 din 07.03.2025, eliberat de LÎ al "ASCHIM CI" SRL, mun. Chișinău, or. Durești, str. T.Vladimirescu, 70; Raportului de evaluare a procesului de producție nr. 9581-25 din 05.03.2025; Raportului de identificare a produselor nr. 9581-25 din 05.03.2025; Raportului sumar asupra rezultatelor certificării produselor nr. 9581-25 din 12.03.2025, eliberate OC "ICC".

INFORMAȚIE SUPLIMENTARĂ:

Schema certificării produselor Nr.3. Evaluarea periodică se va efectua o dată pe an de OC "ICC" conform contractului de evaluare periodică a produselor certificate Nr.25.22.9581-EPPC din 14.03.2025. Contract de efectuare a încercărilor periodice Nr. 14-2025 din 01.03.2025 cu LÎ „ASCHIM CI” SRL. Certificatul este valabil doar în cazul asigurării cu informația în limba de stat a fiecărei unități de produs, conform legislației în vigoare.



ADJ. CONDUCĂTORUL
ORGANISMULUI DE CERTIFICARE

Neaga O.

În atenția antreprenorilor și organelor de control !

Copiile certificatelor se legalizează prin specimenul de stampilă și semnătura deținătorului certificatului

Seria V Nr. 008170

AVIZ SANITAR
PENTRU PRODUSELE ALIMENTARE ȘI NEALIMENTARE Nr. P-17027/2023
Санитарное заключение для пищевых и непищевых продуктов
din/от 14 aprilie 2023

Prin prezentul aviz sanitar se confirmă că producerea, importul, utilizarea și desfacerea produselor / echipamentelor
Настоящим санитарным заключением подтверждается что производство, ввоз, использование и реализация продукции / оборудования
Soluție de spălat parbriz "IARNA" -20 C, -30 C; Soluție de spălat parbriz "VARA", lichid pentru aprinderea focului

sunt conforme Regulamentului (lor) sanitar (e) / соответствуют санитарному (ым) регламенту (ам) (se va indica denumirea completă a
Regulamentului (lor) sanitar (e) / указать полное наименование санитарного (ых) регламента (ов))
SF 41279445-001:2020, IT MD 41279445-001:2020, SM GOST R 51696:2003 Produse chimice de uz casnic

Organizația-producătoare/importatoare, țara de origine / организация произв./импортер, страна происхождения

"AMID-AUTO" SRL, Republica Moldova

Destinatarul avizului sanitar / получатель санитарного заключения

AMID-AUTO S.R.L., Republica Moldova, mun. Chișinău, sec. Botanica, str. Independenței, 42, ap./of. 20

Temei pentru recunoașterea conformității produselor Regulamentului (lor) sanitar (e) menționat (e) a servit /

Основанием для признания продукции указанному (ым) санитарному (ым) регламенту (ам) послужило

Demers, autorizație sanitară de funcționare, standard de firmă, instrucțiune tehnologică, rețeta, raport de încercări nr.69 din 17.05.2022, rapoarte a încercărilor de laborator nr.51007043-51007046 din 06.04.2023, din 11.04.2023
(a enumera documentele de însoțire, buletinele de analiză / перечислить сопроводительные док., протоколы исслед.)

Caracteristica sanitară a produselor / санитарная характеристика продукции:

Parametrii (factorii) / показатели (факторы)

Normativul sanitar / санитарный норматив

conform rapoartelor încercărilor de laborator nr.51007043-51007046 din 06.04.2023, din 11.04.2023

Domeniu de utilizare / Область применения:

întreținere auto

Condițiile necesare de utilizare, depozitare, transportare, măsurile de securitate / Необходимые условия использования, хранения, транспортировки, меры безопасности:

producerea, plasarea pe piață în condițiile respectării legislației în vigoare în Republica Moldova

AVIZUL SANITAR este valabil pînă la / Санитарное заключение действительно до: 30.04.2026

DIRECTORUL AGENȚIEI NAȚIONALE PENTRU SĂNĂTATE PUBLICĂ

Nicolae Jelamschi

Digitally signed by Jelamschi Nicolae
Date: 2023.04.14 11:46:18 EEST
Reason: MoldSign Signature
Location: Moldova



SAFETY DATA SHEET

Prepared according to the European Commission Regulations (EU)
2020/878

Date of filling: 17 03 2023

Last revision date: –

Version: 1

PRODUCT: Active foam “Standart 1:3” Master’s Line

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SAFETY DATA SHEET**1. Identification of the substance/mixture and of the company/ undertaking****1.1 Product identifier**

Product name: Active foam “Standart 1:3” Master’s Line

Mixture a unique formula identifier (UFI): 2890-C0CT-000K-XJUW

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

Relevant identified uses: Car body foam. For use by consumers.

Uses advised against: No data available.

1.3 Information about the manufacturer

Name: ArtHim LLC _

Ternopil'ska, 17/2a, Khmel'nitsky, Ukraine

Tel. /fax : +38 0382 72-55-18

E-mail: office@helpix.ua

1.4 Emergency Telephone Number

The State Medicines Control Agency (SMCA), Poison Information Bureau (PIB) (Lithuania)

Tel. No.: +370 5 236 20 52

Biroul RSI si Informare Toxicologica (Romania)

Tel. No.: +40 021 318 3606

2. Types of hazardous effects and conditions for their occurrence**2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin Corr. 1A; H314

Eye Dam. 1; H318

2.1.2. Additional information:

Full text of H phrases, hazard and EU hazard statements in Section 16.

2.2 Label elements

2.2.1 Label according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



Signal word: **Danger.**

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Hazard statements:

H314 Causes severe skin burns and eye damage.

Precautionary statements:

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

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/doctor.

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

Supplemental Hazard information (EU): None.

2.3 Other hazards

The product does not meet the criteria for a PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII.

3. Composition/Information on ingredients

3.1 Substances

Not applicable (the product is a mixture).

3.2 Mixtures

Substance	CAS No.	EC/List No.	Classification:	Concentration (%)
			According Regulation EC No. 1272/2008	
Etidronic acid	2809-21-4	220-552-8	Skin Corr. 1B; H314 Eye Dam. 1; H318	4-5
Sodium hydroxide	1310-73-2	215-185-5	Skin Corr. 1A; H314 (Eye Irrit. 2; H319: 0,5 % ≤ C < 2 % Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 %)	6.5-7.5
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	931-534-0	Skin Irrit. 2; H315 Eye Dam 1; H318	1.5-2.5
Sodium dodecyl sulphate	151-21-3	205-788-1	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam 1; H318	3.5-4.5
Propan-2-ol	67-63-0	200-661-7	Flam. Liq. 2; H225	2.5-3.5

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			Eye Irrit. 2; H319 STOT SE 3; H336	
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Additional information: For full text of H-statements: see section 16.

4. First aid measures

4.1 Description of first aid measures

General information. Get medical attention immediately.

Following skin contact. Get medical attention immediately. Immediately rinse skin with water/shower.

Following eye contact. Get medical attention immediately. Immediately wash eyes with plenty of water.

Following inhalation. Move to fresh air. Call a physician if symptoms develop or persist.

Following ingestion. Rinse mouth. If ingestion of a large amount does occur, call a poison control centre immediately.

Self-protection of the first aider: To care for their own safety!

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

Treat symptomatically. In case an intoxication is suspected, National Poisons Information Centre should be addressed immediately, number of Emergency telephone see in section 1.4.

5. Firefighting measures

General fire hazards. Clear fire area of all non-emergency personnel.

5.1 Extinguishing media

Suitable extinguishing media. Depending on the fire environment (water spray, foam, dry chemical powder or carbon dioxide (CO₂)).

Unsuitable extinguishing media. Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazard arising from the substance of mixture

Upon decomposition, this product emits carbon monoxide, carbon dioxide and etc.

5.3 Advice for firefighters

Special protective equipment for fire-fighters. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

Special fire-fighting procedures. Do not breathe fire released materials. Move containers away from fire area, if it can be done without risk. Use water mist cooling unopened containers. Cooling tanks pouring sufficient water and fire go out. Prevent the material from entering the drainage system, surface waters.

6. Accidental release measures

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6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel. Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up.

For emergency responders. Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2 Environmental precautions

Prevent contamination of soil and water. Prevent further leakage or spillage if safe to do so.

6.3 Methods and material for containment and cleaning up

Prevent vapour cloud. Prevent further leakage or spillage if safe to do so. Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations.

6.4 Reference to other sections

For personal protection, see Section 8. For waste disposal, see section 13.

7. Handling and storage**7.1 Precautions for safe handling**

Advice on safe handling. Put on appropriate personal protective equipment (see Section 8). Avoid contact with skin and eyes. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Advice on protection against fire and explosion. Keep away from heat. Keep away from sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers closed when not in use. Do not store in direct sunlight. Store at ambient temperature and atmospheric pressure.

7.3 Specific end use(s)

Car body foam

8. Exposure Controls/Personal Protection**8.1 Control parameters**

Occupational exposure limits. No occupational exposure limits noted for the ingredient(s).

Biological limit values. No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures. Follow standard monitoring procedures.

8.2 Exposure controls

General information: Do not eat, drink, smoke at the workplace. Wash hands before breaks and after work.

APPROPRIATE ENGINEERING CONTROLS

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Provide adequate general and local exhaust ventilation.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

General information. Use personal protective equipment as required. Keep working clothes separately. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection. Wear protective goggles with side-shields according to EN 166.

Skin protection. Wear protective work clothing.

Hand protection. When contact is likely, appropriate wrist long chemical resistant gloves (EN 374).

Respiratory protection. General ventilation normally adequate. In case of inadequate ventilation or risk of inhalation of vapour, suitable respiratory equipment (breathing mask). Seek advice from local supervisor (EN 149).

Thermal hazards. Not applicable.

Hygiene measures. Handle in accordance with good industrial hygiene and safety practices. Eye wash fountain and emergency showers are recommended. Launder contaminated clothing before reuse.

8.3 Environmental exposure controls

Contain spills and prevent releases, and observe national regulations on emissions.

9. Physical and chemical properties

PHYSICAL STATE:	liquid
COLOUR:	yellow
ODOUR:	of used materials
MELTING POINT/FREEZING POINT:	not evaluated
BOILING POINT OR INITIAL BOILING POINT AND BOILING RANGE:	not evaluated
FLAMMABILITY (SOLID, LIQUID, GAS):	not flammable
FLASH POINT:	not applicable
AUTO-IGNITION TEMPERATURE:	not applicable
DECOMPOSITION TEMPERATURE:	not evaluated
pH:	12
KINEMATIC VISCOSITY:	not evaluated
SOLUBILITY:	not evaluated
PARTITION COEFFICIENT (N-OCTANOL/WATER):	not evaluated
VAPOUR PRESSURE:	not evaluated
DENSITY AND/OR RELATIVE DENSITY:	1.2 g/ml (20 °C)
RELATIVE VAPOUR DENSITY:	not evaluated
PARTICLE CHARACTERISTICS:	not applicable

9.2 Other information

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9.2.1 Information with regard to physical hazard classes

None.

9.2.2 Other safety characteristics

No additional information.

10. Persistence and reactivity

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical Stability

Stable at normal conditions.

10.3 Possibility of hazardous reactions

No additional information.

10.4 Conditions to avoid

High temperatures and sources of ignition.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

In case of fire, may produce hazardous fumes like carbon monoxide, carbon dioxide and etc.

11. Toxicological information

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

Acute toxicity: No information available for the product.

Information on ingredients:

Etidronic acid, CAS No. 2809-21-4:

Acute Oral Toxicity: LD50 – 3130 mg/kg (rat);

Acute Dermal Toxicity: LD50 – >5000 ml/kg/24h (rabbit).

Sodium hydroxide, CAS No. 1310-73-2:

Acute Oral Toxicity: LD50 – 325 mg/kg (rabbit);

Acute Inhalation Toxicity: LC50 – 750 µg/l/2h (aerosol) (rat).

Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts, CAS No. 68439-57-6:

Acute Oral Toxicity: LD50 – 2290 mg/kg (rat);

Acute Inhalation Toxicity: LC50 – >52 mg/l/4h (aerosol) (rat);

Acute Dermal Toxicity: LD50 – 6300 mg/kg/24h (rabbit).

Sodium dodecyl sulphate, CAS No. 151-21-3:

Acute Oral Toxicity: LD50 – 1200 mg/kg (rat);

Acute Dermal Toxicity: LD50 – >2000 mg/kg/24h (rat).

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Propan-2-ol, CAS No. 67-63-0:

Acute Oral Toxicity: LD50 – 5.84 g/kg (rat);

Acute Inhalation Toxicity: LC50 – 5000 ppm/6h (vapour) (rat);

Acute Dermal Toxicity: LD50 – 16.4 mg/kg/24h (rabbit).

Skin corrosion/irritation. May cause severe skin burns.

Serious eye damage/eye irritation. May cause serious eye damage.

Respiratory or skin sensitisation. Not classified.

Germ cell mutagenicity. Not classified.

Carcinogenicity. Not classified.

Reproductive toxicity. Not classified.

STOT – single exposure. Not classified.

STOT – repeated exposure. Not classified.

Aspiration hazard. Not classified.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

None.

11.2.2 Other information

No data available.

12. Ecological information

12.1 Toxicity

No information available for the product.

Information on ingredients:

Etidronic acid, CAS No. 2809-21-4:

LC50 for marine water fish: 2180 mg/l/96h (Cyprinodon variegatus);

NOEC: 60 mg/l/14d (Oncorhynchus mykiss);

EC50 for marine water invertebrates: 1770 mg/l/48h (Palaemonetes pugio);

NOEC: 6.75 mg/l/28d (Daphnia magna);

EC50 for freshwater algae: 12 mg/l/96h.

Sodium hydroxide, CAS No. 1310-73-2:

LC50 for freshwater fish: 35-189 mg/l;

EC50 for freshwater invertebrates: 30-1000 mg/l.

Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts, CAS No. 68439-57-6:

LC50 for freshwater fish: 4.2 mg/l/96h (Danio rerio);

EC50 for freshwater invertebrates: 4.53 mg/l/48h (Ceriodaphnia dubia);

EC50 for marine water invertebrates: 2.08 mg/l/48h (Acartia tonsa);

NOEC: 2.42 mg/l/21d (Daphnia magna);

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EC50 for marine water algae: 1.97 mg/l/72h (*Skeletonema costatum*);
EC10 or NOEC for marine water algae: 6.25 mg/l/72h (*Skeletonema costatum*).

Sodium dodecyl sulphate, CAS No. 151-21-3:

LC50 for freshwater fish: 29 mg/l/96h (*Pimephales promelas*);
LC50 for marine water fish: 4.1 mg/l/96h (*Cyprinodon variegatus*);
NOEC: ≥ 1.36 mg/l/42d (*Pimephales promelas*);
EC50 for freshwater invertebrates: 5.55 mg/l/48h (*Ceriodaphnia dubia*);
EC50 for marine water invertebrates: 3.15 mg/l/48h (*Artemia salina*);
NOEC: 0.88 mg/l/7d (*Ceriodaphnia dubia*);
EC50 for freshwater algae: 120 mg/l/72h (*Desmodesmus subspicatus*);
EC10 or NOEC for freshwater algae: 30 mg/l/72h (*Desmodesmus subspicatus*).

Propan-2-ol, CAS No. 67-63-0:

LC50 for freshwater fish: 9640 mg/l/96h (*Pimephales promelas*);
NOELR: >1000 mg/l/28d (*Danio rerio*);
EC50 for freshwater invertebrates: >10000 mg/l/24h (*Daphnia magna*);
NOELR: >1000 mg/l/21d (*Daphnia magna*);
LC3 for freshwater algae: 1800 mg/l/7d (*Scenedesmus quadricauda*).

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

Mobility. No data available.

12.5 Results of PBT and vPvB assessment

Not a PBT or vPvB substance or mixture.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No known significant effects or critical hazards.

13. Disposal consideration**13.1 Waste treatment methods**

Residual waste. Dispose of contents/container with local/regional/national/international regulations.

Contaminated packaging. No data available.

EU waste code. No data available.

Disposal methods/information. Review federal, state/provincial, and local government requirements prior to disposal.

14. Transport information

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Transport only in accordance with ADR for road haulage, RID for rail transportation, ADN/IMDG for carriage by vessel/sea and IATA for carriage by air.

14.1 UN number or ID number. None.

14.2 UN proper shipping name. None.

14.3 Transport hazard class (es). None.

14.4 Packing group. None.

14.5 Environmental hazards. No.

14.6 Special precautions for user. Before use read the safety instructions in the safety data sheet and emergency procedures.

14.7 Maritime transport in bulk according to IMO instruments. Not applicable.

15. Regulatory information

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

- Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No.793/93, Commission Regulation (EC) No. 1488/94, Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Official Journal of the European Union No. L 396, 30-12-2006, error correction – No. L 136/3, 2007-5-29);
- COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (OJ L 203, 26.6.2020, p. 28–58);
- REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents (OJ L 104/1, 8.4.2004, p.001-0035);
- The European Agreement concerning International Carriage of Dangerous Goods by Road (ADR).

15.2 Chemical safety assessment

For this product a chemical safety assessment has not been carried out.

16. Other information

16.1 Indication of changes

Information contained in the Regulation 1907/2006/EC with the Regulation 2020/878.

Indication of changes: –

Date of filling: 17-03-2023

Revision: –

Version No.: 1

16.2 Full text of hazard and precautionary statements

H225 Highly flammable liquid and vapour.

SAFETY DATA SHEET

Prepared according to the European Commission Regulations (EU)
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H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
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/doctor.
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

Supplemental label information: None.

Abbreviations:

Flam. Liq. 2 – Flammable liquids; Hazard Category 2.
Acute Tox. 4 – Acute toxicity (oral); Hazard Category 4.
Skin Corr. 1A – Skin corrosion; Hazard Sub-category 1A.
Skin Corr. 1B – Skin corrosion; Hazard Sub-category 1B.
Skin Irrit. 2 – Skin irritation; Hazard Category 2.
Eye Dam. 1 – Serious eye damage; Hazard Category 1.
Eye Irrit. 2 – Eye irritation; Hazard Category 2.
STOT SE 3 – Specific target organ toxicity after single exposure; Hazard Category 3.

Acronyms:

ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN – European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
RID – Regulations concerning the International Carriage of Dangerous Goods by Rail.
IMDG – International Maritime Dangerous Goods.
IATA – International Air Transport Association.
ICAO – International Civil Aviation Organization.
IMO – International Maritime Organization.
vPvB – Very Persistent and Very Bioaccumulative.
PBT – Persistent, Bioaccumulative and Toxic substance.

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LD50 – Lethal Dose to 50% of a test population (Median Lethal Dose).

LC50 – Lethal Concentration to 50 % of a test population.

EC50 – Effective concentration to 50% of a test population (Half maximal effective concentration).

IC50 – Inhibitory concentration to 50% of a test population (Half maximal inhibitory concentration).

CAS – Chemical Abstracts Service number.

CEN – European Committee for Standardization.

STOT – Specific Target Organ Toxicity.

DNEL – Derived No-Effect Level.

PNEC – Predicted No Effect Concentration.

NOEC – No effect concentration.

STEL – Short Term Exposure Limit.

TWA – Time Weighted Averages.

SDS – Safety Data Sheet.

KEY LITERATURE REFERENCES AND SOURCES FOR DATA:

- The data provided by the European Chemicals Bureau (ECB), European Chemicals Agency (ECHA), Swedish Chemicals Agency (KEMI), International Laboratories Organization (ILO), the TOXNET Internet pages.

Disclaimer

Information is correct to the best of our knowledge at the date of the SDS publication. It is not a specification sheet nor should any displayed data be construed as a specification. The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable.



SAFETY DATA SHEET

Date Prepared: 2012/11/13

Date Revised:

Product Name: Yamalube 4T SJ 10W40

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

Product Name: Yamalube 4T SJ 10W40
 Identification of the supplier: JX Nippon Oil & Energy Europe Limited
 Address: 4th Floor, 4 Moorgate, London EC2R 6DA, U.K.
 Charge section:
 (TEL:+44-20-7186-400)

2. Hazards identification

hazard category	Category
Flammable liquids	No Classification
Acute toxicity (oral)	No Classification
Acute toxicity (dermal)	No Classification
Serious eye damage/eye irritation	No Classification
Specific target organ systemic toxicity following single exposure	No Classification
Specific target organ systemic toxicity following repeated exposure	No Classification
Aspiration hazard	No Classification

LABEL ELEMENTS

Hazard pictograms:	Not applicable
Signal word:	Not applicable
Hazard Statement:	Not applicable
Precautionary Statements:	Prevention Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

3. Composition/information on ingredients

Substance/Mixture: Mixture

Ingredients and Concentration

Ingredient Name	Concentrationwt. %	EC NO.
Base Oil(s)	70-80	-
Additives	<30	-

4. First-aid measures

Inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 Cover the body with blankets to keep warm and quiet. If you feel unwell, seek medical advice.



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Skin Contact:	Immediately flush skin with large amounts of water. Wash contaminated clothing before reuse. If skin irritation occurs : Get medical advice/attention.
Eye Contact:	Rinse with clean water carefully for several minutes. Remove contact lenses if present and if removal is easy, then continue rinsing. Rinse for 15 minutes at a minimum and seek medical attention.
Ingestion:	Do not induce vomiting. Drink [one glass] [two glasses] of water. Call a physician [or poison control center] immediately.

5. Fire-fighting measures

Suitable Extinguishing Media:	Mist of loaded liquid, dry chemicals, carbon dioxide, fire foam, and dry sand are effective.
Unsuitable Extinguishing Media:	Do not use water jet as an extinguisher, as this will spread the fire.
Special hazards arising from the substance or mixture:	In some cases of fire, may release irritant gases. May produce carbon monoxide and other toxic gases when burned.
Fire Fighting:	Spray water to the surrounding facilities for cooling. Keep unauthorized persons away from fire and surroundings. Even after extinction, cool containers thoroughly with plenty of water.
Special protective equipment and precautions for fire fighters:	Wear fire/flammable resistant/retardant clothing. Fight fire from windward direction while wearing protective equipment. If contact with skin is expected, wear impervious gloves and protective clothing. Wear self-contained breathing apparatus and protective clothing if necessary.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment as required. Immediately remove nearby potential ignition sources. When mist is generated, use respiratory equipment to prevent inhalation of mist. Do not touch or walk through spilt material. Site of spillage is slippery.
Environmental precautions:	Prevent spreading of oil spill with earth and sand, sandbags, or other proper materials and use care not to allow the oil spill to flow to street drains, sewer systems, and rivers. At sea, install oil spill containment booms to prevent spreading of spills and absorb with absorption mat or other proper materials.



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Methods and materials for containment and cleaning up:

Small spills: Dike and absorb with inert material such as earth, sand, sawdust, waste or other proper materials.

Large spills: Stop spill and dike to prevent spreading. Collect in empty containers.

Prevention of second accident:

In case of spillage, immediately inform the organizations concerned of the spillage to prevent possible accidents and spreading of spillage.

Remove nearby potential ignition sources immediately and make fire-extinguishing agents available. Remove spillage completely, and ventilate and clean the site and the surroundings.

7. Handling and storage

Handling

Technical Measures:

Keep away from any possible contact with sparks, open flames, and high-temperature materials, and do not allow release of vapor without justification.

Use pumps or other proper equipment for taking out from containers. Do not siphon with your mouth using a tube. Do not drink.

When mist is generated, use respiratory equipment to prevent inhalation of mist.

In case of vapor/mist dispersion, install a closed system, local ventilation system, and/or other proper equipment for the sources of vapor/mist generation.

Avoid rough handling of containers such as falling, dropping, exposing to shock, and dragging.

Ventilation requirements:

Use only in well-ventilated areas.

Precautions:

Wash hands and face thoroughly after handling.

Be careful with fire.

Precautions for safe handling:

Avoid falling, dropping, exposing to shock, or dragging of containers.

Wear protective gloves when opening containers to eliminate risk of hand injury.

Storage

Storage Conditions:

Store in a well ventilated, cool, dry, dark place, protecting from direct sunlight and keeping away from any potential ignition sources and high-temperature materials.

Keep container tightly closed when not in use to prevent possible contamination with dust and moisture.

Preferably store locked up in a proper storage area.

Adequate container materials:

Use spill-proof containers that are free of damage/corrosion.

8. Exposure controls/personal protection



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Date Revised:

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Appropriate engineering controls: In case of mist generation, enclose the source of mist generation, or install a ventilation system.
Install eye cleaning and body cleaning equipment near the handling site.

Control parameters

Ingredient Name	EU - OEL		ACGIH	
	STEL	TWA	TLV-STEL	TLV-TWA
Base Oil(s)	None established ppm, None established mg/m3	None established ppm, None established mg/m3	None established ppm, None established mg/m3	None established ppm, 5mg/m3 (Mineral Oil Mist)

Personal Protective Equipment

Respiratory Protection: Not needed under normal conditions, but wear a gas mask (against organic gases) whenever required.

Hand protection: In case of prolonged or repeated exposure, wear oil-resistant hand protection.

Eye/face protection: In case of exposure to splashes, wear ordinary type goggles.

Skin Protection: In case of handling over a prolonged period of time or in case of exposure to oil, wear oil-resistant, long-sleeved work clothing.

Hygiene Measures: Take off contaminated clothing and wash thoroughly before reuse.
Wash hands thoroughly after handling.

9. Physical and chemical properties

Product

Physical state: Liquid

Form: Liquid

Color: Brown

Odor: Slight odor

Melting point/freezing point: Pour Point-42.5()

Initial boiling point and boiling range: Initial boiling point - End point No data

Flash point: 216()Cleveland Open Cup

Auto-ignition temperature: Estimated 200—410()

Upper/lower flammability or explosive limits: Explosion Limit (1-7%)

Vapour density: No data.

Density(g/cm3): 0.878(15)

Solubility: water: Insoluble.



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Date Prepared: 2012/11/13

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Product Name: Yamalube 4T SJ 10W40

Partition coefficient: n-octanol/water: No data.
Decomposition temperature: No data.

10. Stability and reactivity

Chemical stability: Stable when stored or preserved in a dark place at room temperature.
Possibility of hazardous reactions: Keep away from any possible contact with strong oxidizing agents.
Conditions to avoid: Contact with incompatible hazard substances
Prolonged heating, open flames, and ignition sources
Incompatible materials: Use care to keep away from any possible contact with halogens, strong acids, alkalis, and acidifying substances.
Hazardous decomposition products: May produce carbon monoxide and other toxic gases when burned.

11. Toxicological information

Product

Acute toxicity (oral):	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Acute toxicity (dermal):	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Acute toxicity (inhalation):	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Skin corrosion/irritation:	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Serious eye damage/irritation:	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Respiratory sensitization:	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Skin sensitization:	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Mutagenicity:	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Carcinogenicity:	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Reproductive toxicity:	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Target organ effect/Single exposure:	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Target organ effect/Multi exposure:	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Respiratory toxic:	For mixtures, hazard category was identified based on the classification criteria for mixtures.



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Date Prepared: 2012/11/13

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Product Name: Yamalube 4T SJ 10W40

Ingredient

Base Oil(s)

Acute toxicity (oral):	LD50: 5000 mg/kg[rat]
Acute toxicity (dermal):	LD50: 5000 mg/kg[rat]
Acute toxicity (inhalation):	LC50: 5 mg/kg[rat]
Serious eye damage/irritation:	Practically None [rabbit]
Skin sensitization:	None Buehler method [guinea pig]
Mutagenicity:	Ames Test:Negative
Carcinogenicity:	EU:Category 1: R45 need not apply.(NOTE L is Applicable), IARC:3

12. Ecological information

Product

Ecotoxicity

Fish acute toxicity:	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Algae acute toxicity:	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Fish chronic toxicity:	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Algae chronic toxicity:	For mixtures, hazard category was identified based on the classification criteria for mixtures.

Ingredient

Base Oil(s)

Ecotoxicity

Fish acute toxicity:	96hLC50:> 5000 mg/L[Oncorhynchus mykiss]
Daphnia acute toxicity:	48hEC50:> 1000 mg/L[Daphnia magna]

13. Disposal considerations

Disposal methods:

Dispose of contents/container in accordance with local/regional/national/international regulations.

Every customer/user of the product should dispose of industrial waste on his own responsibility, otherwise rely on an authorized industrial waste treatment plant for proper disposal.

Before disposal of used container, remove contents completely.

14. Transport information

IMDG

UN classification: Not applicable

Specific security precaution and condition of transportation: Transport containers without causing any significant friction or shaking.

**SAFETY DATA SHEET**

Date Prepared: 2012/11/13

Date Revised:

Product Name: Yamalube 4T SJ 10W40

15. Regulatory information

Korea(KECL):	All components are listed or exempted.
Australia(AICS):	All components are listed or exempted.
Canada(DSL):	All components are listed or exempted.
EU(REACH):	In case one or more components are not listed or, even if listed, when importing to the country or area concerned, an application or notification is required.
China(IECSC):	All components are listed or exempted.
New Zealand(NZIoC):	All components are listed or exempted.
USA(TSCA):	All components are listed or exempted.
Philippines(PICCS):	All components are listed or exempted.

16. Other information

Disclaimer	The safety data sheet (SDS) is provided to business operators as reference information to ensure the safe handling of hazardous and harmful chemical products. The information above is created in accordance with Japanese Industrial Standards (JIS), based on information currently available, and may not necessarily comply with other country's regulations on creating SDSs. Business operators are requested to make use of this data sheet, at their own responsibility, understanding the necessity of taking appropriate measures to meet actual handling conditions, etc. This data sheet should not therefore be regarded as a guarantee of safety.
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Mobil 1 ESP X3 0W-40

Mobil Passenger Vehicle Lube , Russia

Полностью синтетическое моторное масло с улучшенными эксплуатационными характеристиками

Описание продукта

Mobil 1™ ESP X3 0W-40 - это полностью синтетическое моторное масло с улучшенными свойствами, специально разработанное для поддержания отличных рабочих характеристик мощных двигателей и обеспечения исключительной чистоты двигателя, защиты от износа, долговечности и повышенной экономии топлива*. Mobil 1 ESP X3 0W-40 создано на основе новейших технологий совместно со специалистами «Порше», одного из ключевых европейских производителей оборудования. Масло Mobil 1 ESP X3 0W-40 разработано экспертами компании для продления срока службы новых бензиновых автомобилей европейского производства.

*по сравнению с маслом Mobil 1 ESP Formula 5W-30 / Mobil 1 ESP 5W-30

Особенности и преимущества

Масло Mobil 1 ESP X3 0W-40 производится из высокотехнологичных компонентов по собственной композиции компании, которая разработана для обеспечения полной совместимости с последними моделями сажевых фильтров бензиновых двигателей (GPF). Масло Mobil 1 ESP X3 0W-40 создано для достижения исключительных эксплуатационных характеристик и защиты двигателя при достижении улучшенных показателей экономии топлива. Ниже приведены ключевые особенности и потенциальные преимущества этого масла:

**На основании стандартных испытаний двигателей по отраслевым нормам и нормам производителей оборудования

Особенности	Преимущества и потенциальные выгоды
Активные очищающие вещества	Помогает предотвратить образование вредных отложений, что повышает чистоту и срок службы двигателя** Обеспечивает выдающиеся показатели чистоты двигателя и снижения образования отложений.
Отличная термоокислительная стабильность при высоких температурах.	Помогает замедлить процесс старения масла, обеспечивая защиту двигателя при увеличенном интервале замены масла.
Улучшенные фрикционные свойства	Обеспечивает экономию топлива по сравнению с маслом Mobil 1 ESP Formula 5W-30
Отличные низкотемпературные свойства	Быстрый запуск в холодную погоду и моментальная защита двигателя.
Защита от износа	Обеспечивает отличную защиту от износа**

Применение

Масло Mobil 1 ESP X3 0W-40 рекомендуется для применения в мощных бензиновых двигателях, на которых обязательна установка сажевых фильтров (GFP) .

- Масло Mobil 1 ESP X3 0W-40 может использоваться только в тех автомобилях, для которых получено одобрение. Оно не совместимо с двигателями, для которых требуются масла типа A40, C30 или C20.***

***Всегда проверяйте рекомендованный класс вязкости масла и спецификации, которые указаны в руководстве для владельца автомобиля.

Спецификации и одобрения

Продукция имеет следующие одобрения:

Продукция имеет следующие одобрения:
PORSCHE C40
MB 229.31
MB 229.51
MB 229.52
GM dexos2
VW 511 00

Продукция превосходит следующие требования или соответствует им:
ACEA C3
FIAT FIAT 9.55535 - S2
Требованиям к испытаниям двигателей по API SN
API SN PLUS

Свойства и характеристики

Свойство	
Класс	SAE 0W-40
Плотность при 15,6°C, г/мл, ASTM D4052	0,846
Температура вспышки в открытом тигле Кливленда, °C, ASTM D 92	230
Вязкость при высокой температуре и высокой скорости сдвига при 150°C, 1x10(6) с(-1), мПа*с, ASTM D 4683	3,8
Кинематическая вязкость при 100°C, мм2/с, ASTM D445	14,1
Температура застывания, °C, ASTM D97	-48
Индекс вязкости, ASTM D2270	204

Охрана труда и техника безопасности

Рекомендации по охране труда и техники безопасности для данного продукта приведены в «Бюллетене данных по безопасности», который размещен по адресу <http://www.msds.exxonmobil.com/psims/psims.aspx>

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