

MATERIAL SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH), Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and Commission Regulation (EU) No 2020/878 of 18 June 2020



Version No. 03

GALAX

UNIVERSAL CONCENTRATED WASHING GEL

Dated: 2020-09-24

Revised: 2024-01-11

Printed: 2024-01-12

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

1.1. PRODUCT IDENTIFIER:

| | |
|-------------------------|---|
| MIXTURE IDENTIFICATION: | Perfumed coloured gel detergent. Free of phosphates and formaldehydes. |
| MIXTURE PACKAGING: | 4000g, 1000 g (Doypack); 2000 g (Doypack) |
| MIXTURE CONTAINS: | 5-15 % anionic surfactants, 5-15 % nonionic surfactants, < 5 % Phosphonates, Polycarboxylates. Other ingredients: preservatives (Methylchloroisothiazolinone, Methylisothiazolinone), Parfum, CI 42090. |
| TRADE NAME: | Universal concentrated washing gel |
| TRADE CODE: | - |
| TRADE MARK: | GALAX |
| REACH REGISTRATION No.: | Not applicable. Mixture |
| MOLECULAR FORMULA: | Not applicable. Mixture |
| MOLECULAR WEIGHT: | Not applicable. Mixture |
| CAS No.: | Not applicable. Mixture |
| EC No.: | Not applicable. Mixture |
| INDEX No.: | Not applicable. Mixture |
| UFI Code: | NK50-20N9-800F-UW7R |

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:

| | |
|-----------------------|--|
| RECOMMENDED USE: | Household. Laundry washing universal gel. Apply the product for its intended purpose and according to the instruction. For additional information on the fields of use of this product, please contact us. |
| USES ADVISED AGAINST: | No available information |

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

| | |
|---------------------------------------|---|
| MANUFACTURER: | LLC "UKRAINIAN-GERMAN COMPANY " 2K " |
| ADDRESS OF THE MANUFACTURER: | Passage by Yuri Kozlovsky, 7/1, 29016, Khmelnytskyi, Ukraine |
| TELEPHONE NUMBER OF THE MANUFACTURER: | +380676541082 |
| FAX NUMBER OF THE MANUFACTURER: | - |
| E-MAIL OF THE MANUFACTURER: | info@2k.company |
| RESPONSIBLE PERSON IN EU | 2K Haushaltschemie GmbH, Lindenstr. 48-52, 40233 Düsseldorf, mailto:d.kushal85@gmail.com , Phone: |

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1.4. EMERGENCY CONTACTS:

LLC "UKRAINIAN-GERMAN COMPANY " 2K " (Office Hours)

1.4. 1. Emergency telephone number for other countries:

| Country | Official advisory body | Address | Emergency number |
|---------------------------------------|--|---|---|
| AUSTRIA | Austrian National Public Health Institute (GÖG) Vergiftungsinformationszentrale (VIZ) | Stubenring 6, 1010 Vienna, Austria T: +43 1 515 61-161 M: +43 676 848 191-661 | Notruf 0–24 Uhr: 01 406 43 43 Euro-Notruf: 112 Rettung: 144 Ärztefunkdienst: 141 |
| BELGIUM | BELGIAN POISON CENTER (BELGISCH ANTIGIFCENTRUM) | Poison Control Center c/o Military Hospital Queen Astrid Bruynstraat 1, 1120 Brussels | 070 245 245 (free, 24/7) If unreachable, tel. 02 264 96 30 (normal rate) 8002 5500, from Grand Duchy of Luxembourg every day, free 24 /7 |
| BULGARIA | National Toxicology Center, Hospital for Active Medical Treatment and Emergency Medicine "N.I.Pirogov" | Ministry of Health, 5, „Sveta Nedelya“ sq., Sofia 1000 | Emergency number/ fax: +359 2 9154 233 The service is available 24/7 and the communication language is Bulgarian +359 2 9154 409, |
| CROATIA | Poison Control Centre Institute of Medical Research & Occupational Health | Ksaverska Cesta 2 P.O. Box 291 HR-10000 Zagreb | +385 1 234 8342 Information available 24/7 in Croatian and English. |
| CZECH REPUBLIC | Poisons Information Centre Clinic For Occupational Medicine, 1st Medical Faculty, Charles University | Na Bojisti 1 128 00 Prague 2 | 224 91 92 93 224 91 54 02 +42 2 2491 9293 +42 2 2491 5402 |
| DENMARK | Poisons Information Centre Bispebjerg Hospital | Bispebjerg Bakke 23, 60, 1 DK-2400 Copenhagen NV | +45 82 12 12 12 +45 35 31 55 55 Danish Poison Center (Giftlinjen): +45 8212 1212 |
| ESTONIA | Estonian Emergency Response Centre | Osmussaare 2, 13811 Tallinn General info: 6287 400 | National emergency telephone number (Häirekeskuse number) is 112 Mürgistusteabekeskuse infoliini 16662 (välisriigist helistades (+372)7943794) |
| FINLAND | Poisons Information Centre | P.O.B 790 (Tukholmankatu 17) HUS SF - 00029 Helsinki | Medical Helpline 116117 Open 24 hours a day 0800 147 111 (the call is free of charge) 09 471 977 +358 9 471 977 |
| FRANCE | Poison Control Center (Centre Antipoison ORFILA) | Hôpital Fernand Widal 200 rue du faubourg St-Denis 75475 Paris Cedex 10 | numéro ORFILA (INRS): + 33 (0)1 45 42 59 59 (for free 24/7) +33 (0)1 45 42 59 59 |
| GERMANY | "2K" Haushaltschemie GmbH | Lindenstr. 48-52, 40233 Düsseldorf, Germany | +491787178800 |
| GREESE | Poison Information Centre Children's Hospital P&A Kyriakou | Athens 11762 Greece | Emergency number: (0030) 2107793777 24 hours/day Fax: 00302107486114 +30 10 779 3777 |
| HUNGARY | Health Toxicology Information Service | 1097 Budapest, Albert Flórián út 2-6. | +36 80 201 199 (0-24 hours, free of charge - only from Hungary) +36 1 476 6464 (0-24 hours, can be called for a standard fee - also from abroad) |
| ICELAND | Poison control center | Fossvogi 108 Reykjavik | +354 543 2222 +354 543 1000 112 |
| IRELAND (REPUBLIC OF) | The National Poisons Information | Beaumont Hospital Beaumont Road | 01 809 2566 |

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| | | | |
|---------------------------------|--|---|---|
| IRELAND | Centre (NPIC) | 9 Dublin | |
| ITALY | Centro Antiveleni (Poisons Centre) Dipartimento di Tossicologia Clinica, Universita Cattolica del Sacro Cuore | Largo Agostino Gemelli 8 I-00168 Roma | +39 06 305 4343 |
| LATVIA | <i>Toxicology and Sepsis Clinic, information on poisoning and medicinal products; State fire and rescue service:</i> | 2 Hipokrāta Street, Riga, LV-1038 | +371 67042473 (+371) 112; (+371) 113 |
| LITHUANIA | Poisons Control and Information Bureau | Siltnamiu 29 2043 Vilnius | +370 2 36 20 52 +370 2 36 20 92 |
| THE NETHERLANDS | UMC Utrecht Heidelberglaan 100 3584 CX Utrecht | Heidelberglaan 100 3584 CX UTRECHT Reception 1 (level 0), UMC Utrecht site | NVIC: +31 (0)88 755 8000: Only for the purpose of informing medical personnel in case of acute intoxications' or in Dutch: 'Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen |
| NORWAY | Poisons Information Directorate of Health and Social Affairs | P.O. Box 7000 St. Olavs Plass 130 Oslo | +47 22 591300 |
| POLAND | Warsaw Poison Control and Information Centre | Al.Solidarnosci 67 P-03 401 Warszawa | +48 22 619 66 54 +48 22 619 08 97 |
| PORTUGAL | Centro de Informação Antivenenos – Dra Ariinda Borges Instituto Nacional de Emergência Médica (INEM) | Rua Almirante Barroso, 36 1000-013 Lisboa | Portugal CIAV phone number: +351 800 250 250 808 250 143 (for use only in Portugal), +351 21 330 3284 |
| ROMANIA | TOXAPEL Emergency Clinical Hospital for Children "Grigore Alexandrescu" | Boulevardul Iancu de Hunedoara 30- 32 Bucharest | Phone number: +40213183606 +40 2121 06282 +40 2121 06183 |
| SLOVAKIA | National Toxicological Information Centre University Hospital Bratislava | Limbová 5 833 05 Bratislava | +421 2 54 77 4 166 |
| SLOVENIA | Poison Centre Division of Internal Medicine | University Clinical Centre Zaloska 7 1525 Ljubljana | Phone number: 112 + 386 41 650 500 |
| SPAIN | Servicio de Información Toxicológica Instituto Nacional de Toxicología, Departamento de Madrid | Calle Luis Cabrera 9 E-28002 Madrid | National Emergency Telephone Number of Spanish Poison Centre: + 34 91 562 04 20 The information will be provided in Spanish (available 24h/365 days): health personnel & general public (poisoning cases) |
| SWEDEN | Giftinformationscentralen Swedish Poisons Information Centre, Karolinska Hospital | Box 60 500 SE-171 76 Stockholm | "112 – ask for Poisons Information" (in Swedish this will be: "112 – begär Giftinformation" +46 8 33 12 31 (International) |
| UKRAINE | Institute of Hygiene and Toxicology, Науковий центр превентивної токсикології, харчової та хімічної безпеки імені академіка Л.І. Медведя Міністерства охорони здоров'я України. | вулиця Героїв Оборони, 6, Київ, Україна, 03680 | +38 (044) 526-97-00 |
| UKRAINE | LLC "UKRAINIAN-GERMAN COMPANY " 2K " | Passage by Yuri Kozlovsky, 7/1, 29016, Khmelnytskyi, Ukraine | +380676541082 info@2k.company |

SECTION 2: Hazards identification

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

| | |
|------------------------------------|--|
| GHS pictograms and signal word: | In accordance with Regulation No 1272/2008 (CLP) |
|------------------------------------|--|

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| | | |
|---|--------------------------------|--|
|  Warning | Skin Irrit. 2, H315 | Causes skin irritation. |
| | Eye Irrit. 2, H319 | Causes serious eye irritation. |
| | Aquatic Chronic 4, H413 | May cause long lasting harmful effects to aquatic life. |
| | EUH208 | Contains Methylchloroisothiazolinone, Methylisothiazolinone. May produce an allergic reaction. |

2.2. LABEL ELEMENTS

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

The product is classified and labelled according to the CLP regulation

| | |
|---|---|
| GHS pictograms and signal word: |  GHS07 |
| | Warning |
| Hazard statements | H315 Causes skin irritation H319 Causes serious eye irritation. H413 May cause long lasting harmful effects to aquatic life. EUH208 Contains Methylchloroisothiazolinone, Methylisothiazolinone. May produce an allergic reaction. |
| Dimension of the pictogram (in millimetres) | <u>Capacity of the package:</u> ≤ 3 litres: not smaller than 10x10. If possible, at least 16x16. <u>Capacity of the package:</u> > 3 litres but ≤ 50 litres: at least 23x23. |
| Dimension of the label (in millimetres) | <u>Capacity of the package:</u> ≤ 3 litres: if possible, at least 52x74. <u>Capacity of the package:</u> > 3 litres but ≤ 50 litres: at least 74x105. |
| Precautionary Statement Prevention | P102 Keep out of reach of children. P264 Wash hands thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary Statement Response | P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P 313 If eye irritation persists: Get medical advice/ attention. |
| Precautionary Statement Storage | --- |
| Precautionary Statement Disposal | P501 Dispose of contents/container in accordance with local, regional, national and international regulations |

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| Supplemental label elements: | 5-15 % anionic surfactants, 5-15 % nonionic surfactants, < 5 % Phosphonates, Polycarboxylates. Other ingredients: preservatives (Methylchloroisothiazolinone, Methylisothiazolinone), Parfum, CI 42090. |
| Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: | None |
| Special packaging requirement | |
| Containers to be fitted with child-resistant fastenings: | Not applicable. |
| Tactile warning of danger: shall be fitted with a tactile warning of danger. | Not applicable. |

2.3 OTHER HAZARDS:

No other hazards are known.

2.4. RESULTS OF PBT UN vPvB ASSESSMENT:

This mixture does not contain substances that meet the PBT or vPvB criteria of REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.1. SUBSTANCES:

Not applicable

3.2. MIXTURES:

Household product based on below mentioned hazardous ingredients:

| HAZARDOUS COMPONENTS: | | | | | |
|--|---|------------|---------------------|--|--------------------------|
| INGREDIENT'S NAME; (INCI Name) | EC No / EC Index No/ REACH No | CAS No | Percentage, m. % | Classification REGULATION (EC) No 1272/2008 | SCL/ M-factor/ ATE |
| Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs; 4-(tridecan-3-yl)benzene-1-sulfonic acid; Dodecylbenzenesulphonic acid; (Dodecylbenzene Sulfonic Acid) | 287-494-3 / Not applicable/ 01-2119490234-40-0000 | 85536-14-7 | 2 - 3 | Skin Corr. 1C, H314 Acute Tox. 4, H302 Aquatic Chronic 3, H412 | - |
| Alcohols, C12-15, ethoxylated; (C12-15 Pareth-7) | 500-195-7/ Not applicable/ 01-2119488720-33-0000 | 68131-39-5 | 2 - 3 | Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412 | M=1 |
| Sodium 2-(2-dodecyloxyethoxy)ethyl sulphate; SLES; Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts; (Sodium laureth sulfate) | 500-234-8/ Not applicable/ 01-2119488639-16-0000 | 68891-38-3 | 2 - 3 | Eye Dam. 1, H318 Skin Irrit. 2, H315 Aquatic Chronic 3, H412 | - |

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| Amides, coco, N,N-bis(hydroxyethyl) (Cocamide DEA) | 271-657-0/ Not applicable/ No (Pre-Registration process) | 68603-42-9 | 1 - 2 | Eye Dam. 1, H318 Skin Irrit. 2, H315 Aquatic Chronic 3, H412 | - |
| Sodium Chloride* | 231-598-3 Not applicable/ Not applicable/ | 7647-14-5 | 0.7 – 1 | Not classified | - |
| *Sodium Hydroxide; Caustic Soda; (Sodium Hydroxide) | 215-185-5/ 011-002-00-6/ 01-2119457892-27-0000 | 1310-73-2 | 0.5 - 0.8 | Met. Corr. 1, H290 Skin Corr. 1A, H314 | - |
| (1-hydroxy-1-phosphonoethyl)phosphonic acid; 1-hydroxy ethylidene-1,1-diphosphonic acid (HEDP); (Etidronic Acid) | 220-552-8/ Not applicable/ 01-2119510391-53-0000 | 2809-21-4 | 0.2 - 0.5 | Met. Corr. 1, H290; Acute Tox. 4, H302 Eye Dam. 1, H318 | - |
| 2-Propenoic acid, homopolymer; (Polyacrylic Acid) | 618-347-7/ Not applicable/ 01-2120754771-50-0000 | 9003-01-4 | 0.2 - 0.5 | Acute Tox. 4, H302 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 | M=1 |
| Dodecyltrimethylamine oxide; N,N-dimethyldodecanamine oxide; (Lauramine Oxide) | 216-700-6/ Not applicable/ 01-2120068065-58-0000 | 1643-20-5 | 0.2 - 0.5 | Acute Tox. 4, H302 Eye Dam. 1, H318 Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 | M=1 M(Chronic) =1 |
| Perfume; (Parfum) | -/ - No data available | - | 0.1 - 0.4 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412 | - |
| *5-chloro-2-methyl-2H-isothiazol-3-one (Methylchloroisothiazolinone) | 247-500-7/ 613-167-00-5/ No data available | 26172-55-4 ; CAS No. For mixture (3:1): 55965-84-9 | <0.0015 (<15 ppm) | Acute Tox. 2, H330 Acute Tox. 2, H310 Acute Tox. 3, H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 EUH071 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 (classification for mixture 3:1) | M=100 M(Chronic) =100 |
| *2-methyl-2H-isothiazol-3-one (Methylisothiazolinone) | 220-239-6/ 613-167-00-5/ No data available | 2682-20-4; CAS No. For mixture (3:1): 55965-84-9 | | Specific Conc. Limits, M-factors and ATEs (*) for reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1): Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ | |

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| | | | | | |
|---|---------|--|--|---|--|
| | | | | 0.6 % Eye Irrit. 2; H319: 0.06 % $\leq C < 0.6 \%$ Skin Sens. 1A; H317: $C \geq 0.0015 \%$ | |
| Water and other ingredients, determined not to be hazardous | Balance | | | | |

* - ingredients with limit values that require monitoring at the workplace.

** - *parfum hazardous ingredients*.

ADDITIONAL INFORMATION: None.

SECTION 4: First aid measures

4.1. DESCRIPTION OF FIRST AID MEASURES

| | |
|---------------|---|
| SKIN PROBLEM: | Wash with plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician. |
| EYE CONTACT: | Immediately flush with plenty of water for several minutes. After initial flushing, remove any contact lenses and continue flushing. Keep eye wide open while rinsing. Immediately call a POISON CENTER/doctor. |
| INGESTION: | Rinse mouth with water. Do not induce vomiting. Give plenty of water to drink. Seek medical advice if necessary. |
| INHALATION: | If respiratory irritation occurs, remove casualty to fresh air and keep warm and at rest. Consult physician if necessary. |

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Causes serious eye irritation. Causes skin irritation.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: Firefighting measures

5.1. EXTINGUISHING MEDIA:

Suitable extinguishing media: Use chemical foam, dry chemical, carbon dioxide, sand or water fog.

Extinguishing media which must not be used for safety reasons: Water jet

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

In case of fire, toxic incineration products may be released such as: carbon monoxide (CO), carbon dioxide (CO₂), sulphur oxides and nitrogen oxides. Do not inhale explosion and combustion gases. Burning produces heavy smoke.

EXPLOSION HAZARD: Non hazardous

5.3. ADVICE FOR FIREFIGHTERS:

Contact emergency personnel. Use self-contained breathing apparatus and full protective gear, if large quantities of product are involved. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon,

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sulphur, nitrogen and/or derivatives.

5.4. ADDITIONAL INFORMATION:

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

PERSONAL PRECAUTIONS:

Wear personal protection equipment (see section 8). Keep persons away.

6.2. ENVIRONMENTAL PRECAUTIONS:

Do not allow product to enter waters without treatment in a (biological) water treatment plant.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Collect large amounts in suitable container. Cover the rest with absorbent, mix intensively and collect mechanically. Suitable binder: multi-purpose absorbent, sand. Dispose of contaminated material as waste according to section 13. Provide adequate ventilation.

6.4. REFERENCE TO OTHER SECTIONS:

See also section 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for Safe Handling:

For Household Settings: Store in closed container in dry place. Keep out of reach of children.

For Non-Household Settings:

Store in closed container in dry place. Keep out of reach of children.

7.2. Conditions for Safe Storage:

For Household Settings: Store in closed container in dry place. Keep out of reach of children.

For Non-Household Settings: Protect from sunlight and do not expose to temperatures exceeding +25°C. Keep from extreme cold. Store in a ventilated, cool area. Store in closed container in dry place. Keep out of reach of children.

7.3. SPECIFIC END USE (S):

Use only as directed.

7.4. OTHER MEASURES:

Keep frost-free, in a cool, dry and ventilated area (<25°C). Protect from sunlight and keep away from heat.

SECTION 8: Exposure controls/personal protection

8.1. For Household Settings: This is a household product that is safe for consumers and other users under normal and reasonably foreseen use.

8.1.2. For Non-Household Settings: Use in a ventilated area. Use safety glasses or safety goggles if airborne mist hazards exist; use gloves and other protective clothing (apron, boots etc.) to prevent skin contact. Always follow good hygienic work practices. Avoid prolonged contact with skin and clothing. This is a household product that is safe for consumers and other users under normal and reasonably foreseen use.

8.1.2.1. CONTROL PARAMETERS:

| Ingredients Name: | CAS No. | TWA, 8 hours | STEL, 15 min. |
|-------------------|---------|--------------|---------------|
|-------------------|---------|--------------|---------------|

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|--|------------|---|--|
| Sodium Chloride*** | 7647-14-5 | 5 mg/m ³ | - |
| Mixture of 5-Chloro-2-methyl-isothiazol-3(2H)-one and 2-Methylisothiazol-3(2H)-one | 55965-84-9 | 0.076 mg/m ³ | 0.23 mg/m ³ |
| Sodium Hydroxide*** | 1310-73-2 | 2 mg/m ³ (Austria); 1 mg/m ³ (Sweden); 0.5 mg/m ³ (Latvia, Poland) | 4 mg/m ³ (Austria); 2 mg/m ³ (Spain); 1 mg/m ³ (Poland) |

*** Republic of Latvia Cabinet Regulation No. 325 Adopted on 15 May 2007 - Labour Protection Requirements when Coming in Contact with Chemical Substances at Workplaces

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006 and NOAEL or NOAEC Values (ECHA data)

| Substance name | End use | Exposure routes | Potential health effects | DNEL Level | NOAEL or NOAEC values |
|---|-----------|-----------------|----------------------------|--------------------------------------|-------------------------------------|
| Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs CAS No.: 85536-14-7 | Workers | Inhalation | Long-term systemic effects | 7.6 mg/m ³ | 85 mg/kg bw/day (rat) |
| | Workers | Dermal | Long-term systemic effects | 119 mg/kg bw/day | |
| | Workers | Eyes | Long-term systemic effects | medium hazard (no threshold derived) | |
| | Consumers | Inhalation | Long-term systemic effects | 1.3 mg/m ³ | 85 mg/kg bw/day (rat) |
| | Consumers | Dermal | Long-term systemic effects | 42.5 mg/kg bw/day | |
| | Consumers | Eyes | Long-term systemic effects | medium hazard (no threshold derived) | |
| | Consumers | Oral | Long-term systemic effects | 0.425 mg/kg bw/day | |
| | Consumers | Oral | Long-term systemic effects | 0.425 mg/kg bw/day | |
| Alcohols, C12-15, ethoxylated CAS No.: 68131-39-5 | Workers | Inhalation | Long-term systemic effects | 294 mg/m ³ | 882 mg/m ³ (NOAEC) (rat) |
| | Workers | Dermal | Long-term systemic effects | 2080 mg/kg bw/day | 25000 mg/kg bw/day (NOAEL, rat) |
| | Workers | Eyes | Long-term systemic effects | no hazard identified | - |
| | Consumers | Inhalation | Long-term systemic effects | 87 mg/m ³ | 435 mg/m ³ (NOAEC) (rat) |
| | Consumers | Dermal | Long-term systemic effects | 1250 mg/kg bw/day | 25000 mg/kg bw/day (NOAEL, rat) |
| Substance name | End use | Exposure routes | Potential health effects | DNEL Level | NOAEL or NOAEC values |

MATERIAL SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH), Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and Commission Regulation (EU) No 2020/878 of 18 June 2020



GALAX UNIVERSAL CONCENTRATED WASHING GEL

Version No. 03

Dated: 2020-09-24

Revised: 2024-01-11

Printed: 2024-01-12

| | | | | | |
|---|-----------|------------|----------------------------|--------------------------------------|---|
| Alcohols, C12-15, ethoxylated CAS No.: 68131-39-5 | Consumers | Eyes | Long-term systemic effects | no hazard identified | - |
| | Consumers | Oral | Long-term systemic effects | 25 mg/kg bw/day | 500 mg/kg bw/day (NOAEL) (rat) |
| Sodium 2-(2-dodecyloxyethoxy)ethyl sulphate CAS No.: 68891-38-3 | Workers | Inhalation | Long-term systemic effects | 175 mg/m ³ | 530 mg/m ³ (NOAEC) (rat) |
| | Workers | Dermal | Long-term systemic effects | 2750 mg/kg bw/day | 33000 mg/kg bw/day NOAEL, rat) |
| | Workers | Eyes | Long-term systemic effects | medium hazard (no threshold derived) | - |
| | Consumers | Inhalation | Long-term systemic effects | 52 mg/m ³ | 260 mg/m ³ (NOAEC)(rat) |
| | Consumers | Dermal | Long-term systemic effects | 1650 mg/kg bw/day | 33000 mg/kg bw/day (NOAEL, rat) |
| | Consumers | Eyes | Long-term systemic effects | medium hazard (no threshold derived) | - |
| | Consumers | Oral | Long-term systemic effects | 15 mg/kg bw/day | 300 mg/kg bw/day (NOAEL) (rat) |
| Sodium Chloride CAS No: 7647-14-5 | Workers | Inhalation | Long-term systemic effects | 2068.62 mg/m ³ | - |
| | Workers | Dermal | Long-term systemic effects | 295.52 mg/kg bw/day | - |
| | Consumers | Inhalation | Long-term systemic effects | 443.28 mg/m ³ | - |
| | Consumers | Dermal | Long-term systemic effects | 126.65 mg/kg bw/day | - |
| | Consumers | Oral | Long-term systemic effects | 126.65 mg/kg bw/day | - |
| Sodium hydroxide CAS No.: 1310-73-2 | Workers | Inhalation | Long-term systemic effects | 1 mg/m ³ | ECHA data (from NOAEC dose descriptor)) |
| | Consumers | Inhalation | Long-term systemic effects | 1 mg/m ³ | ECHA data (from NOAEC dose descriptor) |

| Substance name | End use | Exposure routes | Potential health effects | DNEL Level | NOAEL or NOAEC values |
|-----------------------|-----------|-----------------|----------------------------|--------------------------------------|------------------------------|
| Etidronic Acid | Workers | Dermal | Long-term systemic effects | 34 mg/kg bw/day | 340 mg/kg bw/day NOAEL (rat) |
| | Workers | Eyes | Long-term systemic effects | medium hazard (no threshold derived) | - |
| | Consumers | Inhalation | Long-term systemic | 2.95 mg/m ³ | 34 mg/kg bw/day |
| | | | | | |

MATERIAL SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH), Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and Commission Regulation (EU) No 2020/878 of 18 June 2020



GALAX UNIVERSAL CONCENTRATED WASHING GEL

Version No. 03

Dated: 2020-09-24

Revised: 2024-01-11

Printed: 2024-01-12

| | | | | | |
|--|-----------|------------|----------------------------|--------------------------------------|--------------------------------------|
| CAS No.: 2809-21-4 | Consumers | Dermal | Long-term systemic effects | 17 mg/kg bw/day | 340 mg/kg bw/day (NOAEL) (rat) |
| | Consumers | Eyes | Long-term systemic effects | medium hazard (no threshold derived) | - |
| | Consumers | Oral | Long-term systemic effects | 1.7 mg/kg bw/day | 34 mg/kg bw/day (NOAEL) (rat) |
| Polyacrylic Acid CAS No.: 9003-01-4 | Workers | Inhalation | Long-term systemic effects | 1.97 mg/m ³ | 40 mg/kg bw/day NOAEL (rat) |
| | Workers | Dermal | Long-term systemic effects | 34 mg/kg bw/day | 340 mg/kg bw/day NOAEL (rat) |
| | Workers | Eyes | Long-term systemic effects | medium hazard (no threshold derived) | - |
| | Consumers | Inhalation | Long-term systemic effects | 0.348 mg/m ³ | 40 mg/kg bw/day NOAEL (rat) |
| | Consumers | Dermal | Long-term systemic effects | 0.20 mg/kg bw/day | 40 mg/kg bw/day (NOAEL) (rat) |
| | Consumers | Eyes | Long-term systemic effects | medium hazard (no threshold derived) | - |
| | Consumers | Oral | Long-term systemic effects | 0.2 mg/kg bw/day | 40 mg/kg bw/day (NOAEL) (rat) |
| Lauramine Oxide CAS No.: 1643-20-5 | Workers | Inhalation | Long-term systemic effects | 6.2 mg/m ³ | 155 mg/m ³ (NOAEC) (rat) |
| | Workers | Dermal | Long-term systemic effects | 11 mg/kg bw/day | 1100 mg/kg bw/day NOAEL (rat) |
| | Workers | Eyes | Long-term systemic effects | medium hazard (no threshold derived) | - |
| | Consumers | Inhalation | Long-term systemic effects | 1.53mg/m ³ | 76.5 mg/m ³ (NOAEC) (rat) |
| | Consumers | Dermal | Long-term systemic effects | 5.50 mg/kg bw/day | 1100 mg/kg bw/day (NOAEL) (rat) |
| | Consumers | Eyes | Long-term systemic effects | medium hazard (no threshold derived) | - |
| | Consumers | Oral | Long-term systemic effects | 0.44mg/kg bw/day | 88 mg/kg bw/day (NOAEL) (rat) |

8.2. EXPOSURE CONTROLS:



PERSONAL PROTECTIVE EQUIPMENT:
GENERAL PROTECTIVE AND HYGIENIC

MEASURES:

Avoid contact with the eyes. Wash hands during work breaks and at the end of the shift. Provide skin protection plan.

RESPIRATORY PROTECTION:

Not required

MATERIAL SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH), Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and Commission Regulation (EU) No 2020/878 of 18 June 2020



Version No. 03

GALAX

UNIVERSAL CONCENTRATED WASHING GEL

Dated: 2020-09-24

Revised: 2024-01-11

Printed: 2024-01-12

| | |
|---|---|
| BODY PROTECTION: | Protective clothing |
| EYE PROTECTION: | Safety goggles |
| PROTECTION OF HANDS: | Chemical protective gloves according to DIN EN 374 with CE-labelling. Check the condition of protective gloves after each use for any damages like holes, cuts or tears. Do not wear protective gloves longer than necessary. After use of gloves apply skin-cleaning agents and skin cosmetics. |
| - material of gloves: | Nitrile rubber, NBR |
| - penetration time of glove material: | Thickness: 0,4 mm; break-through time: 480 min.; material: Nitrile; permeation: level 6 |
| - gloves made of the following materials are not suitable: | Gloves for mechanical protection do not provide protection against chemicals. |
| RISK MANAGEMENT MEASURES: | The operators shall be instructed adequately. The workplace shall be inspected regularly by competent personnel e.g. the safety representative. |

SECTION 9: Physical and chemical properties

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|--|
| APPEARANCE: | Liquid gel |
| COLOUR: | Blue |
| ODOUR: | Perfumed (Odour pleasant, characteristic, fresh) |
| pH – VALUE AT 20 °C (1% solution): | 5.5 - 8.5 (6.48) |
| MAXIMUM FOAM HEIGHT, % OF THE SCALE, NOT MORE THAN: | 200 mm |
| MELTING POINT/MELTING RANG: | Not applicable |
| BOILING POINT (°C): | 98.9 – 102 °C |
| FREEZING POINT (°C): | Not applicable |
| FLASH POINT: | Not determined |
| DECOMPOSITION TEMPERATURE (°C): | Not determined |
| EXPLOSIVE HAZARDS: | Product is not explosive |
| AUTO-IGNITION TEMPERATURE: | Product is not selfigniting. |
| OXIDIZING PROPERTIES: | Not applicable |
| SOLUBILITY IN WATER: | Completely soluble |
| FLAMMABILITY (solid, gaseous): | Not applicable - liquid |

9.2. OTHER INFORMATION:

MATERIAL SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH), Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and Commission Regulation (EU) No 2020/878 of 18 June 2020



Version No. 03

GALAX

UNIVERSAL CONCENTRATED WASHING GEL

Dated: 2020-09-24

Revised: 2024-01-11

Printed: 2024-01-12

PARTITION COEFFICIENT: n-OCTANOL/WATER

$\log K_{ow} = 0,30-3.90$ (Sodium Laureth Sulfate);

$\log K_{ow} = 2$ (Dodecylbenzene Sulfonic Acid)

$\log K_{ow} = 5,06$ (Alcohols, C12-15, ethoxylated);

$\log K_{ow} = 3.52$ (Amides, coco, N,N-bis(hydroxyethyl);

$\log K_{ow} = -3.50$ (Etidronic Acid)

$\log K_{ow} = 0.401$ (Methylchloroisothiazolinone);

$\log K_{ow} = -0.486$ (Methylisothiazolinone);

$\log K_{ow} = 0,27$ (Polyacrylic acid);

$\log K_{ow} = 1.85$ (Lauramine oxide);

$\log K_{ow} = -6.4$ (CI 42090)

% VOC:

Complies with EC regulations for VOC content.

SECTION 10: Stability and reactivity

10.1. REACTIVITY:

Stable under normal conditions

10.2. CHEMICAL STABILITY:

Stable under normal conditions

10.3. POSSIBILITY OF HAZARDOUS REACTION:

None

10.4. CONDITIONS TO AVOID:

Avoid heat, sunlight. Store away from oxidizers.

10.5. INCOMPATIBLE MATERIALS:

Acids, alkali, oxidizing agents

10.6. HAZARDOUS DECOMPOSITION PRODUCTS:

None

SECTION 11: Toxicological information

This is a household product that is safe for consumers and other users under intended and reasonably foreseeable use. Product is not classified as Toxic. Additional information on toxicological endpoints is available from the supplier upon request.

11.1. INFORMATION ON MIXTURE INGREDIENTS TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:

Hazardous Ingredients:

| Ingredients Name: | CAS No. | Composition Range | LD50/LC50 (oral) | LD50/LC50 (dermal) |
|--|------------|-------------------|--------------------------|--------------------------|
| Sodium Laureth Sulfate | 68891-38-3 | 2 - 3 % | LD50 = >2000 mg/kg (Rat) | LD50 = >2000 mg/kg (Rat) |
| Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs; Dodecylbenzenesulphonic acid (Dodecylbenzene Sulfonic Acid) | 85536-14-7 | 2 - 3 % | LD50 = 1470 mg/kg (Rat) | LD50 = >2000 mg/kg (Rat) |
| Alcohols, C12-15, ethoxylated | 68131-39-5 | 2 - 3 % | LD50 >5000 mg/kg (Rat) | LD50 >2000 mg/kg (Rat) |

MATERIAL SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH), Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and Commission Regulation (EU) No 2020/878 of 18 June 2020



Version No. 03

GALAX

UNIVERSAL CONCENTRATED WASHING GEL

Dated: 2020-09-24

Revised: 2024-01-11

Printed: 2024-01-12

| | | | | |
|--|------------|-------------|---------------------------|--------------------------------|
| Amides, coco, N,N-bis(hydroxyethyl) | 68603-42-9 | 1 - 2 % | LD50 >3000 mg/kg (Rat) | LD50 >2000 mg/kg (Rat) |
| Sodium Chloride | 7647-14-5 | 0.7 – 1 % | LD50= 3550 mg/kg (Rat) | LD50 >10000 mg/kg (Rabbit) |
| Sodium Hydroxide | 1310-73-2 | 0.5 – 0.8 % | LD50=40 mg/kg (Mouse) | Not available (Severe burning) |
| Etidronic Acid | 2809-21-4 | 0.2 – 0.5 % | LD50= 1878 mg/kg (Rat) | LD50 >5000 mg/kg (Rabbit) |
| Polyacrylic Acid | 9003-01-4 | 0.2 – 0.5 % | LD50 = 1500 mg/kg (Rat) | LD50 = >2000 mg/kg (Rabbit) |
| Lauramine oxide | 1643-20-5 | 0.2 – 0.5 % | 1064 mg/kg (Rat) | LD50 >2000 mg/kg (Rat) |
| CI 42090 | 3844-45-9 | <0.001 % | > 2000 mg/kg (Rat) | >(Rat) 2000 mg/kg |
| Mixture of 5-Chloro-2-methyl-isothiazol-3(2H)-one and 2-Methylisothiazol-3(2H)-one | 55965-84-9 | <15 ppm | LD50 = 50-300 mg/kg (Rat) | 200-1000 mg/kg (Rabbit) |

PRIMARY IRRITANT EFFECT:

ON THE SKIN:

Not expected to be irritating, photoallergenic or phototoxic when used as intended. If irritation occurs following intended use or prolonged contact it is expected to be mild and transient.

ON THE EYE:

Contact may cause serious eye damage. Some redness

INHALATION:

May cause mild, transient respiratory irritation. Avoid prolonged contact to concentrated vapors.

INGESTION:

Product used as intended is not expected to cause gastrointestinal irritation. Accidental ingestion of undiluted product may cause mild gastrointestinal irritation with nausea, vomiting and diarrhea.

SENSITISATION:

May cause sensitising effect

CHRONIC EFFECT:

No chronic effect known

CARCINOGENICITY:

Finished product is not expected to be carcinogenic

TARGET ORGANS:

No adverse health effects on target organs expected for finished product.

MUTAGENICITY:

No mutagenic effect known

TOXICAL EFFECT ON THE REPRODUCTIVE SYSTEM:

No toxic effect known

SECTION 12: Ecological information

12.1. TOXICITY: The product is classified as Aquatic Chronic 4, H413 May cause long lasting harmful effects to aquatic life. The product ingredients are expected to be safe for the environment at concentrations predicted

MATERIAL SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH), Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and Commission Regulation (EU) No 2020/878 of 18 June 2020



Version No. 03

GALAX

UNIVERSAL CONCENTRATED WASHING GEL

Dated: 2020-09-24

Revised: 2024-01-11

Printed: 2024-01-12

under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices. Additional information is available from the supplier on request.

12.1.1. INFORMATION ON MIXTURE INGREDIENTS ECOTOXICOLOGICAL EFFECTS:

| | |
|---|--|
| AQUATIC TOXICITY: | |
| 68891-38-3 Sodium laureth sulfate | |
| EC ₅₀ / 48 h | 7.4 mg/l - (<i>Daphnia magna</i>) (OECD 202) |
| EC ₅₀ / 72 h | 27.7 mg/l – Algae (OECD 201) |
| LC ₅₀ / 96 h | 7.1 mg/l – Fish (OECD 203) |
| 85536-14-7 Dodecylbenzene Sulfonic Acid | |
| EC ₅₀ / 48 h | 5.2 mg/l - (<i>Daphnia magna</i>) (OECD 202) |
| EC ₅₀ / 72 h | 36 mg/l – Algae (OECD 201) |
| LC ₅₀ / 96 h | 5.6 mg/l – Fish (OECD 203) |
| 68131-39-5 Alcohols, C12-15, ethoxylated | |
| EC ₅₀ / 48 h | 0.14-0.23 mg/l - (<i>Daphnia magna</i>) (OECD 202) |
| EC ₅₀ / 72 h | > 0.75 mg/l– Algae (OECD 201) |
| LC ₅₀ / 96 h | 0.59-3.1 mg/l – Fish (OECD 203) |
| 68603-42-9 Amides, coco, N,N-bis(hydroxyethyl) | |
| EC ₅₀ / 24 h | 4.2 mg/l - (<i>Daphnia magna</i>) |
| EC ₅₀ / 72 h | Not determined |
| LC ₅₀ / 96 h | 3.6 mg/l – Fish |
| 7647-14-5 Sodium Chloride | |
| EC ₅₀ / 48 h | 1900 mg/l - (<i>Daphnia magna</i>) |
| EC ₅₀ / 120 h | 2430 mg/l – (<i>Nitzschia linearis</i>) |
| LC ₅₀ / 96 h | 5840 mg/l – Fish |
| 1310-73-2 Sodium Hydroxide | |
| EC ₅₀ / 48 h | 40.4 mg/l - (<i>Daphnia magna</i>) (OECD 202) |
| EC ₅₀ / 72 h | 22 mg/l – Algae (OECD 201) |
| LC ₅₀ / 96 h | 125 mg/l – Fish (OECD 203) |
| 2809-21-4 Etidronic Acid | |
| EC ₅₀ / 48 h | 527 mg/l (<i>Daphnia magna</i>) (OECD 202) |
| EC ₅₀ / 96 h | 3 mg/l – Algae (OECD 201) |
| LC ₅₀ / 96 h | 195 mg/l – Fish (OECD 203) |
| 9003-01-4 Polyacrylic Acid | |
| EC ₅₀ / 48 h | 47 mg/l - (<i>Daphnia magna</i>) (OECD 202) |
| EC ₅₀ / 72 h | 0.13 mg/l – Algae (OECD 201) |
| LC ₅₀ / 96 h | 27 mg/l – Fish (OECD 203) |

MATERIAL SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH), Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and Commission Regulation (EU) No 2020/878 of 18 June 2020



Version No. 03

GALAX

UNIVERSAL CONCENTRATED WASHING GEL

Dated: 2020-09-24

Revised: 2024-01-11

Printed: 2024-01-12

1643-20-5 Lauramine Oxide

EC₅₀ / 48 h 3.43 mg/l - (Daphnia magna) (OECD 202)

EC₅₀ / 72 h 0.2 mg/l – Algae (OECD 201)

LC₅₀ / 96 h 31.8 mg/l – Fish (OECD 203)

55965-84-9 Methylchloroisothiazolinone & Methylisothiazolinone

EC₅₀ / 48 h 0.16 mg/l (Daphnia magna) (OECD 202)

EC₅₀ / 72 h 0.027 mg/l – Algae (OECD 201)

LC₅₀ / 96 h 0.19 mg/l – Fish (OECD 203)

3844-45-9 CI 42090

EC₅₀ / 48 h > 100 mg/l (Daphnia magna) (OECD 202)

EC₅₀ / 72 h > 200 mg/l – Algae (OECD 201)

LC₅₀ / 96 h > 100 mg/l – Fish (OECD 203)

12.2. PERSISTENCE AND DEGRADABILITY:

ASSESSMENT BIODEGRADATION AND ELIMINATION:

Readily biodegradable (acc. to OECD criteria).
The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

| Ingredient | Biodegradability | Days (OECD Guideline 301 B; 301 D, 301 F, 301 E and 302 B) |
|-------------------------------------|--|--|
| Sodium laureth sulfate | >60 % | 28 (302 B) |
| Dodecylbenzene Sulfonic Acid | 94 % | 28 (301 B) |
| Alcohols, C12-15, ethoxylated | 61-72 % | 28 (301 B) |
| Amides, coco, N,N-bis(hydroxyethyl) | 62 % | 28 (301 D) |
| Etidronic Acid | Not readily biodegradable | 28 (301 D) |
| Sodium Hydroxide | Not biodegradable (Biodegradability term pertains to an organic material capable of decomposition as a result of attack by microorganisms). However, sodium hydroxide will be neutralized by acidity present in natural environment) | |
| Polyacrylic Acid | 87.4 % | 28 (301 F) |
| Lauramine oxide | 95 % | 28 (301 B) |
| Methylchloroisothiazolinone & | >60 % | 28 (301 D) |

MATERIAL SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH), Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and Commission Regulation (EU) No 2020/878 of 18 June 2020



GALAX UNIVERSAL CONCENTRATED WASHING GEL

Version No. 03

Dated: 2020-09-24

Revised: 2024-01-11

Printed: 2024-01-12

| | | |
|-----------------------|------|------------|
| Methylisothiazolinone | 30 % | 28 (301 B) |
|-----------------------|------|------------|

12.3. BIOACCUMULATIVE POTENTIAL

Not expected to bioaccumulate

| Ingredient | BCF | Note |
|-------------------------------------|----------------------------|--|
| Sodium laureth sulfate | 70.79 | A very low potential for bioaccumulation |
| Dodecylbenzene Sulfonic Acid | 87 | A very low potential for bioaccumulation is expected and is decreased by environmental processes such as biodegradation and absorption, which reduce aquatic concentrations. |
| Alcohols, C12-15, ethoxylated | 12.7-387.5 | A low potential for bioaccumulation were considered to have a delayed elimination and potential of short term bioaccumulation according to Beek (2000). |
| Amides, coco, N,N-bis(hydroxyethyl) | 1-71 | A very low potential for bioaccumulation |
| Lauramine Oxide | 0.7 | The substance has a log Kow < 3 and is readily biodegradable. The substance has a low potential for bioaccumulation. |
| Etidronic Acid | <2 | Not expected to bioaccumulate |
| Polyacrylic Acid | 5-10 | Not expected to bioaccumulate |
| CI 42090 | log K _{ow} = -6.4 | Does not significantly accumulate in organisms. |

12.4. MOBILITY IN SOIL:

Soluble in water. The product is predicted to have high mobility in soil.

| Ingredient | Adsorption coefficient log K _{oc} | Note |
|-------------------------------------|--|---|
| Sodium laureth sulfate | 4.71 | Expected to be mobile |
| Dodecylbenzene Sulfonic Acid | 3.6 | Expected to be mobile |
| Alcohols, C12-15, ethoxylate | <5.50 | Moderate mobile |
| Amides, coco, N,N-bis(hydroxyethyl) | 4.22 | Expected to be mobile |
| Lauramine oxide | 3.18 | High potential for adsorption to soil. But substance is readily biodegradable |
| Etidronic Acid | -1.32 | Highly mobile: Do not allow to penetrate into soil, water bodies, or drains |
| Polyacrylic Acid | 0.05 | Highly mobile in soils |
| CI 42090 | 1.56 | Highly mobile in soils |

MATERIAL SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH), Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and Commission Regulation (EU) No 2020/878 of 18 June 2020



Version No. 03

GALAX

UNIVERSAL CONCENTRATED WASHING GEL

Dated: 2020-09-24

Revised: 2024-01-11

Printed: 2024-01-12

ASSESSMENT TRANSPORT BETWEEN ENVIRONMENTAL COMPARTMENTS:

Adsorption to solid soil phase is possible.

ADDITIONAL ECOLOGICAL INFORMATION:

AOX-INDICATION:

The product does not contain substances, which can influence the AOX of waste water.

THE FORMULATION CONTAINS THE FOLLOWING HEAVY METALS AND THEIR COMPOUNDS ACCORDING TO DIRECTIVE 2006/11/EC (ANNEX 1):

None

GENERAL NOTES:

Sewages that contain this product may not be released into the aquatic environment without preliminary treatments (biological purification plant).

12.5. RESULTS OF PBT UN vPvB ASSESSMENT:

This mixture does not contain substances that meet the PBT or vPvB criteria of REACH, annex XIII.

12.6. ENDOCRINE DISRUPTING PROPERTIES:

This product contains Butylphenyl Methylpropional (allergen, very less concentration, <0.01%) that is included in endocrine disruptor list.

12.6. OTHER ADVERSE EFFECTS:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption).

SECTION 13: Disposal considerations

13.1. For Household Settings:

The following instructions are for consumer usage only. Empty can through normal use as instructed on the can. Consumer produced household solutions may be disposed of down the drain with running water. Consumer may discard empty container in trash, or recycle where facilities exist.

13.2. For Non-Household Settings: Products covered by this MSDS, in their original form, when disposed as waste, are considered non hazardous waste. Disposal should be in accordance with all local, regional, national and international regulations.

13.2.2. WASTE TREATMENT METHODS:

Within the present knowledge of the supplier, this product is not regarded as hazardous waste. Do not discharge into any place where its accumulation could be dangerous. Consult supplier for specific recommendations.

| EUROPEAN WASTE CATALOGUE | |
|--------------------------|---|
| EWC CODE | Description |
| 07 06 01* | Aqueous washing liquids and mother liquors (Waste code applies to unused product) |
| 15 01 02 | Plastic packaging (Waste code applies to packaging containing residues of product) |

CONTAMINATED PACKAGING:

MATERIAL SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH), Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and Commission Regulation (EU) No 2020/878 of 18 June 2020



Version No. 03

GALAX

UNIVERSAL CONCENTRATED WASHING GEL

Dated: 2020-09-24

Revised: 2024-01-11

Printed: 2024-01-12

RECOMMENDATION:

RECOMMENDED CLEANING AGENT:

Water. In single quantities packaging can be apply again or disposed in household waste container.

SECTION 14: Transport information

| | |
|---|--|
| 14.1. UN NUMBER: | None |
| 14.2. UN PROPER SHIPPING NAME: ADR, IATA, IMDG | |
| 14.3. TRANSPORT HAZARD CLASS (ES): ADR, IATA, IMDG CLASS | None hazardous product None |
| 14.4. PACKING GROUP: ADR, IATA, IMDG | N.a. |
| 14.5. ENVIRONMENTAL HAZARDS: ADR-ENVIRONMENTAL POLLUTANT MARINE POLLUTANT | Aquatic Chronic 4, H413 May cause long lasting harmful effects to aquatic life. May cause long lasting harmful effects to aquatic life. |
| 14.6. SPECIAL PRECAUTIONS FOR USER: | None |
| 14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE: | Not applicable |
| TRANSPORT/ADDITIONAL INFORMATION: | No |
| UN "MODEL REGULATION" | No |

SECTION 15: Regulatory information

While the finished product(s) is considered hazardous, this MSDS contains valuable information critical to the safe handling and proper use of the product.

| | |
|--|---|
| 15.1. SAFETY, HEALTH AND ENVIRONMENTAL: REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE: | REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents . REGULATION (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. DIRECTIVE 2006/11/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 15 February 2006 on pollution caused by certain dangerous substances discharged into the aquatic environment of the Community REGULATION (EC) No 1272/2008 of the European |
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MATERIAL SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH), Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and Commission Regulation (EU) No 2020/878 of 18 June 2020



Version No. 03

GALAX

UNIVERSAL CONCENTRATED WASHING GEL

Dated: 2020-09-24

Revised: 2024-01-11

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Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

COMMISSION REGULATION (EU) No 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the REACH.

INFORMATION ABOUT LIMITATION OF USE: Take note of Directive 94/33/EC on the protection of young people at work.

Take note of Directive 92/85/EC on the safety and health of pregnant women at work.

REGULATIONS WHICH MAY APPLY IN EVENT OF ACCIDENT: CONTROL OF MAJOR ACCIDENT HAZARDS (COMAH):

This substance/mixture is not subject to ordinance on industrial accidents (substance list, Annex I).

15.2. CHEMICAL SAFETY ASSESSMENT:

Not required.

SECTION 16: Other information

Full text of the classifications, including the indication of danger, the hazard symbols and the hazard statements, mentioned in section 2 or 3:

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|--------------------------|--|
| Acute Tox. 2 | Acute toxicity – Category 2 |
| Acute Tox. 3 | Acute toxicity – Category 3 |
| Acute Tox. 4 | Acute toxicity – Category 4 |
| Skin Corr. 1A | Skin corrosion – Category 1A |
| Skin Corr. 1C | Skin corrosion – Category 1C |
| Eye Dam. 1 | Eye Damage – Category 1 |
| Skin Sens. 1 | Skin Sensitisation– Category 1 |
| Skin Sens. 1A | Skin Sensitisation– Category 1A |
| Skin Sens. 1B | Skin Sensitisation– Category 1B |
| Skin Irrit. 2 | Skin irritation – Category 2 |
| Eye Irrit. 2 | Eye irritation – Category 2 |
| STOT SE 3 | Specific target organ toxicity - single exposure– Category 3 |
| Met. Corr. 1 | Corrosive to metals – Category 1 |
| Aquatuc Acute 1 | Acute aquatic toxicity - Category1 |
| Aquatic Chronic 1 | Chronic aquatic toxicity - Category1 |
| Aquatic Chronic 2 | Chronic aquatic toxicity - Category 2 |
| Aquatic Chronic 3 | Chronic aquatic toxicity - Category 3 |
| Aquatic Chronic 4 | Chronic aquatic toxicity - Category 4 |

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|---------------|---|
| H290 | May be corrosive to metals |
| H301 | Toxic if swallowed |
| H302 | Harmful if swallowed |
| H310 | Fatal in contact with skin. |
| H311 | Toxic in contact with skin |
| H312 | Harmful in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H330 | Fatal if inhaled. |
| H331 | Toxic if inhaled |
| H332 | Harmful if inhaled |
| H335 | May cause respiratory irritation |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |
| H411 | Toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects |
| H413 | May cause long lasting harmful effects to aquatic life |
| EUH071 | Corrosive to the respiratory tract |
| EUH208 | Contains (name of sensitising substance). May produce an allergic reaction. |

ABBREVIATIONS AND ACRONYMS:

| | |
|-------------------------|--|
| PBT: | persistent, bioaccumulative, toxic |
| vPvB: | persistent, very bioaccumulative |
| EC: | European Inventory of Existing Commercial Chemical Substances |
| CAS: | Chemical Abstracts Service (division of the American Chemical Society) |
| Index No.: | International Substance Identification No. (Information related to the classification of substance including all C&L elements (i.e. hazard pictograms, signal words, codification of hazard and precautionary statements, specific concentration limits or M-factors, any cut-off values and supplemental labelling information) |
| AOX: | Adsorbable Organohalogens |
| ADR: | European Agreement concerning the International Carriage of Dangerous Goods |
| IATA: | International Air Transport Association |
| IMDG: | International Maritime Code for Dangerous Goods |
| GHS: | Globally Harmonized System of Classification and Labelling of Chemicals |
| LC₅₀: | Median (50 %) lethal concentration |
| LD₅₀: | Median (50%) lethal dose |
| EC₅₀: | Effective concentration, 50 percent |
| CLP: | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and |

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GALAX **UNIVERSAL CONCENTRATED WASHING GEL**

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Mixtures

ECHA: European Chemicals Agency, Helsinki (http://echa.europa.eu/home_en.asp)
TWA: Time Weighted Average
STEL: Short Term Exposure Limit
DNEL: Derived no-effect level is the level of exposure to a substance above which humans should not be exposed
NOAEL: No-Observed-Adverse-Effect Level
NOAEC: No-Observed-Adverse-Effect Concentration
VOC: Volatile Organic Compounds

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