

Safety Data Sheet

1 – PRODUCT IDENTIFICATION

PRODUCT NAME:..... AMMO Revive Microfiber Detergent
PRODUCT TYPE:..... Neutral Liquid Cleaning Compound
PRODUCT NUMBER:..... A3658016
CONTROL NUMBER:..... A3658XXX

COMPANY:..... **AMMO AUTO CARE, INC.**
7 Brush Hill Road 8171
New Fairfield, CT 06812, USA
1-646-423-7580
www.AMMONYC.com
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EMERGENCY PHONE: USA – 1.800.535.5053
INTL – 1.352.323.3500
(24-hour emergency number)

2 – HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE/MIXTURE: Serious Eye Damage (1) Specific Target Organ Toxicity, Repeated Exposure (2) Reproductive Toxicity (2)

SYMBOLS:



SIGNAL WORD: DANGER!

HAZARD STATEMENT: Causes serious eye damage. May cause damage to organs (Respiratory System) through prolonged or repeated exposure. Suspected of damaging fertility or the unborn child.

PRECAUTIONARY STATEMENTS:

PREVENTION:..... Wash hands thoroughly after handling. Do not touch eyes. Wear protective gloves / protective clothing / eye protection / face protection. Do not breathe dust / fume / gas / mist / vapors / spray. Obtain, read and follow all safety instructions before use.

RESPONSE: Get medical help if you feel unwell. IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get emergency medical help. IF exposed or concerned, get medical advice.

STORAGE: Store locked up.

DISPOSAL:..... Dispose of container and contents in accordance with local regulations.

3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	C.A.S. NUMBER	CONCENTRATION (%)
Water	7732-18-5	≥55 – <70
(C ₈₋₁₀) Alkyl Polyglycosides	68515-73-1	≥4 – <8
(Coconut Oil Alkyl)bis(2-hydroxyethyl, ethoxylated)methylammonium Chloride	61791-10-4	≥4 – <8
Diethylene Glycol Monoethyl Ether	111-90-0	≥4 – <8
(C ₁₀₋₁₆) Alkyl Polyglycosides	110615-47-9	≥2 – <5
Glycerol	56-81-5	≥2 – <5
Sodium Tetraborate Decahydrate	1303-96-4	≥2 – <5
Ethylenediaminetetraacetic Acid, Tripotassium Salt	17572-97-3	≥1 – <3
Glutaral	111-30-8	<2
Cellulose, 2-Hydroxyethyl Ether	9004-62-0	Trade Secret

If percentages, chemical names or C.A.S. numbers of ingredients are not listed/shown, they are being withheld as trade secret information, or are not required per OSHA Hazard Communication Standard 29CFR 1910.1200. This information will be disclosed as necessary to authorized individuals.

4 – FIRST-AID MEASURES

BREATHING (INHALATION): ... Maintain adequate ventilation in work area. If signs of discomfort or irritation occur, remove to fresh air. If symptoms persist or if you feel unwell, get immediate medical attention!

SWALLOWING (INGESTION): . DO NOT INDUCE VOMITING! Rinse mouth then drink a large quantity of water or milk. Do not attempt to give liquids to an unconscious person. Get immediate medical attention!

EYES: Flush eyes with a large quantity of fresh water for at least 15 minutes. Apply ice compresses and get immediate emergency medical attention by an eye specialist! It may be necessary to bring person to a hospital emergency room.

SKIN (DERMAL): Flush from skin and clothing with large amounts of fresh water. If irritation occurs, discontinue use and seek medical attention. Wash contaminated clothing before reuse.

5 – FIRE-FIGHTING MEASURES

FLASHPOINT: This product is non-flammable.

EXTINGUISHING MEDIA: Use extinguishing media suitable for materials already burning.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters working in areas where this product is present should be equipped with an approved, fully enclosed SCBA.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

6 – ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:.....Dike to prevent spillage into streams or sewer systems. Consult local, state and federal authorities.

WASTE DISPOSAL:.....As recommended by local, state and federal authorities.

7 – HANDLING and STORAGE

STORAGE:.....Store in a cool, well-ventilated area. Avoid overheating or freezing. Store locked up. Do NOT store this product in an unmarked container.

HANDLING:.....Wear eye protection if product is likely to splash. Do NOT breathe product mist or spray. Do NOT transfer this product to an unmarked container. Spilled material is slippery. Keep away from children!

ATTENTION: Do NOT reuse empty container. Empty containers retain vapor and product residue, which can be dangerous.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION:Not usually needed in well-ventilated areas. If needed, use a NIOSH approved respirator.

PROTECTIVE CLOTHING:.....Nitrile or PVC gloves, and chemical splash goggles.

ADDITIONAL MEASURES:.....Under normal use according to label instructions, special protection should not be necessary. Wear eye protection if product is likely to splash. Keep away from children!

INGREDIENT	C.A.S. NUMBER	OSHA PEL*
Water	7732-18-5	No limits established
(C ₈₋₁₀) Alkyl Polyglycosides	68515-73-1	No limits established
(Coconut Oil Alkyl)bis(2-hydroxyethyl, ethoxylated)methylammonium Chloride	61791-10-4	No limits established
Diethylene Glycol Monoethyl Ether	111-90-0	AIHA: 25 ppm
(C ₁₀₋₁₆) Alkyl Polyglycosides	110615-47-9	No limits established
Glycerol <i>(Glycerine mist)</i>	56-81-5	15 mg/m ³ (total dust); 5 mg/m ³ (respirable fraction)
Sodium Tetraborate Decahydrate	1303-96-4	NIOSH: 1 mg/m ³
Ethylenediaminetetraacetic Acid, Tripotassium Salt	17572-97-3	No limits established
Glutaral <i>(Glutaraldehyde)</i>	111-30-8	NIOSH: 0.2 ppm, 0.8 mg/m ³ (C)
Cellulose, 2-Hydroxyethyl Ether	9004-62-0	No limits established

**When OSHA 8-hour TWA; STEL; and Ceiling PEL values are not established, NIOSH REL; ACGIH TLV; and AIHA WEEL values will be shown in that order, and indicated as such.*

9 – PHYSICAL / CHEMICAL PROPERTIES

APPEARANCE & ODOR: Golden-yellow, transparent liquid. Fruit scented.
ODOR THRESHOLD: N/A
pH: 8.0 – 10.0
MELTING POINT: N/A
FREEZING POINT: N/A
BOILING POINT: 210 degrees F.
BOILING POINT RANGE: N/A
FLASHPOINT: This product is non-flammable.
EVAPORATION RATE: N/A
FLAMMABILITY (solid/gas):..... N/A
EXPLOSION LIMITS:..... N/A
VAPOR PRESSURE:..... N/A
VAPOR DENSITY (AIR=1): Greater than 1.
SPECIFIC GRAVITY:..... 1.06
SOLUBILITY IN WATER: Completely soluble.
PARTITION COEFFICIENT: N/A
AUTO-IGNITION TEMPERATURE:.....N/A
DECOMPOSITION TEMPERATURE:.....N/A
VISCOSITY:..... Significant body.

10 – STABILITY and REACTIVITY

STABILITY: Stable under normal conditions.
INCOMPATIBILITY:..... Do not mix with other chemicals.
HAZARDOUS DECOMPOSITION:Carbon monoxide, carbon dioxide.
HAZARDOUS POLYMERIZATION:.....This product not known to polymerize.

11 – TOXICOLOGICAL INFORMATION

ROUTE(S) OF ENTRY:..... Absorption through eyes. Inhalation. Ingestion. Not likely to be absorbed through skin in hazardous amounts.
LISTED CARCINOGEN: None over 0.1%.
MEDICAL CONDITION AGGRAVATED:.....May aggravate pre-existing dermatitis in people with sensitive skin.
INHALATION:..... This product may cause damage to respiratory system through prolonged or repeated exposure inhaled. Inhaling significant amounts of this product may eventually cause irritation to the mouth, nose and respiratory tract.
INGESTION: This product may cause irritation to the mouth, esophagus and stomach; and may be harmful to health if significant amounts are ingested.
EYES:..... This product can cause serious irritation, redness, burns, blindness or other permanent damage if not immediately flushed from eyes.
SKIN (DERMAL):..... This product may eventually cause irritation and redness to the exposed area in people with sensitive skin, or after prolonged exposure.
ACUTE TOXICITY* (ORAL):.....>5,000 mg/kg

ACUTE TOXICITY* (DERMAL):>5,000 mg/kg
ACUTE TOXICITY* (INHALATION):>20,000 ppm V (Gas), >20 mg/l (Vapor), >5 mg/l (Dust)

**Determined using the additivity formula for mixtures (GHS Purple Book, 3.1.3.6)*

12 – ECOLOGICAL INFORMATION

Ecotoxicological information appears in this section when such data is available.

TOXICITY:

(C8-10) Alkyl Polyglycosides (68515-73-1)		
Algae	EC ₅₀	>10 - 100 mg/L, 72 hours
Crustacea (Daphnia)	EC ₅₀	>10 - 100 mg/L, 48 hours
Fish	LC ₅₀	>10 - 100 mg/L, 96 hours
(Coconut Oil Alkyl)bis(2-hydroxyethyl, ethoxylated)methylammonium Chloride (61791-10-4)		
Algae	EC ₅₀	1.6 mg/L, 72 hours
Diethylene Glycol Monoethyl Ether (111-90-0)		
Algae	---	Low toxicity
Crustacea (Daphnia)	---	Low toxicity
Fish	---	Low toxicity
(C10-16) Alkyl Polyglycosides (110615-47-9)		
Algae	EC ₅₀	>10 - 100 mg/L, 72 hours
Crustacea (Daphnia)	EC ₅₀	>10 - 100 mg/L, 48 hours
Fish	LC ₅₀	>10 - 100 mg/L, 96 hours
Glycerol (56-81-5)		
Algae	EC ₅₀	>1,000 mg/L, 72 hours
Crustacea (Daphnia)	EC ₅₀	>1,000 mg/L, 48 hours
Fish	LC ₅₀	>1,000 mg/L, 96 hours
Sodium Tetraborate Decahydrate (1303-96-4)		
Algae	EC ₅₀	40 mg _{Boron} /L, 72 hours 229 mg _{Boric Acid} /L, 72 hours
Crustacea (Daphnia)	EC ₅₀	133 mg _{Boron} /L, 48 hours 760 mg _{Boric Acid} /L, 48 hours 619 mg _{Disodium Tetraborate} /L, 48 hours
Fish	LC ₅₀	79.7 mg _{Boron} /L, 96 hours 456 mg _{Boric Acid} /L, 96 hours 370 mg _{Disodium Tetraborate} /L, 96 hours

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Glutaral (111-30-8)		
Algae	EC ₅₀	>10 - 100 mg/L, 72 hours
Crustacea (Daphnia)	EC ₅₀	>10 - 100 mg/L, 48 hours
Fish	LC ₅₀	>10 - 100 mg/L, 96 hours

*Water solubility level

PERSISTENCE/DEGRADABILITY:.....

INGREDIENT	C.A.S. NUMBER	BIODEGRADATION
(C ₈₋₁₀) Alkyl Polyglycosides	68515-73-1	Readily biodegradable*
(Coconut Oil Alkyl)bis(2-hydroxyethyl, ethoxylated)methyl-ammonium Chloride	64741-65-7	Not readily biodegradable
Diethylene Glycol Monoethyl Ether	111-90-0	Readily biodegradable*
(C ₁₀₋₁₆) Alkyl Polyglycosides	110615-47-9	Readily biodegradable*
Glycerol	56-81-5	Readily biodegradable*
Sodium Tetraborate Decahydrate	1303-96-4	Boron is naturally occurring and ubiquitous in the environment. Borax is a naturally occurring borate.
Glutaral	111-30-8	Readily biodegradable*
Cellulose, 2-Hydroxyethyl Ether	9004-62-0	Not readily biodegradable

* A substance that degrades by 60% (or 70% depending on test method) usually during a 10-day window (beginning when the substance degrades by 10%) and always within 28 days.

BIOACCUMULATION POTENTIAL:.....

INGREDIENT	C.A.S. NUMBER	POTENTIAL <small>BIO-ACC.</small>
(C ₈₋₁₀) Alkyl Polyglycosides	68515-73-1	Not expected to bioaccumulate significantly
Diethylene Glycol Monoethyl Ether	111-90-0	BCF: 3.16
(C ₁₀₋₁₆) Alkyl Polyglycosides	110615-47-9	Not expected to bioaccumulate significantly
Glycerol	56-81-5	BCF: 3.162
Sodium Tetraborate Decahydrate	1303-96-4	Not significantly bio-accumulative.
Glutaral	111-30-8	Not expected to bioaccumulate significantly

MOBILITY IN SOIL:.....

INGREDIENT	C.A.S. NUMBER	MOBILITY
(C ₈₋₁₀) Alkyl Polyglycosides	68515-73-1	The substance will not evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is not expected.

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Diethylene Glycol Monoethyl Ether	111-90-0	Not expected to hydrolyze readily; and Low absorption to soil particulates predicted
(C ₁₀₋₁₆) Alkyl Polyglycosides	110615-47-9	The substance will not evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is not expected.
Glycerol	56-81-5	Low potential for sorption into soil; will partition primarily to water.
Sodium Tetraborate Decahydrate	1303-96-4	Soluble in water and leachable through normal soil.
Glutaral	111-30-8	The substance will not evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is not expected.

RESULTS OF PBT AND vPvB ASSESSMENT:..... Data not available.

OTHER ADVERSE EFFECTS (OAE): Data not available.

13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: As recommended by local, state and federal authorities.

14 – TRANSPORTATION INFORMATION

DOT:

PROPER SHIPPING NAME:..... Not regulated for domestic shipments acc. DOT HMR.

HAZARD CLASS:

UN/NA NUMBER:

PACKAGING GROUP:

IMDG:

PROPER SHIPPING NAME:..... Not regulated for international shipments acc. IMDG CODE.

HAZARD CLASS:

UN/NA NUMBER:

PACKAGING GROUP:

IATA:

PROPER SHIPPING NAME:..... Not regulated for international shipments acc. IATA DGR.

HAZARD CLASS:

UN/NA NUMBER:

PACKAGING GROUP:

15 – REGULATIONS

Regulatory information appears in this section when such data is available.

NEW JERSEY RIGHT TO KNOW:.....

INGREDIENT	C.A.S. NUMBER
Diethylene Glycol Monoethyl Ether <i>(Glycol Ethers)</i>	111-90-0
Glycerol <i>(Glycerin)</i>	56-81-5
Sodium Tetraborate Decahydrate <i>(Borate Compounds, Inorganic)</i>	1303-96-4
Glutaral <i>(Glutaraldehyde)</i>	111-30-8

PENNSYLVANIA RIGHT TO KNOW:.....


INGREDIENT	C.A.S. NUMBER
Diethylene Glycol Monoethyl Ether <i>(Glycol Ethers)</i>	111-90-0
Glycerol <i>(1,2,3-Propanetriol)</i>	56-81-5
Sodium Tetraborate Decahydrate <i>(Borax)</i>	1303-96-4
Glutaral <i>(Pentanedial)</i>	111-30-8

ILLINOIS RIGHT TO KNOW:....

INGREDIENT	C.A.S. NUMBER
Diethylene Glycol Monoethyl Ether <i>(Glycol Ethers)</i>	111-90-0

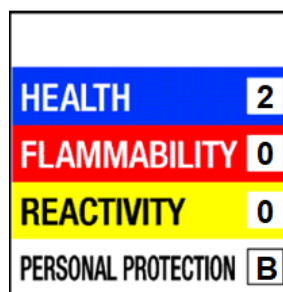
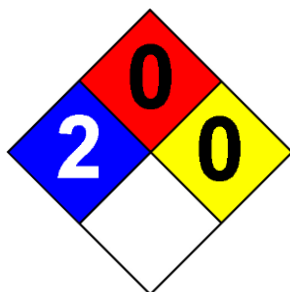
RHODE ISLAND RIGHT TO KNOW:.....

INGREDIENT	C.A.S. NUMBER
Glycerol <i>(Glycerin mist)</i>	56-81-5
Sodium Tetraborate Decahydrate <i>(Borates, Tetra, Sodium Salts)</i>	1303-96-4
Glutaral <i>(Glutaraldehyde)</i>	111-30-8

CALIFORNIA PROPOSITION 65:.....  **WARNING:** This product can expose you to chemicals including 1,4-Dioxane, which are known to the State of California to cause cancer, and Ethylene Glycol, which are known to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

INGREDIENT	C.A.S. NUMBER	Listed Date
Ethylene Glycol Monoethyl Ether	110-80-5	01/01/1989 <i>(Developmental & Male Reproductive Toxicity)</i>
1,4-Dioxane	123-91-1	01/01/1988 <i>(Cancer)</i>
Ethylene Oxide	75-21-8	07/01/1987 <i>(Cancer)</i> 08/07/2009 <i>(Developmental & Male Reproductive Toxicity)</i> 02/27/1987 <i>(Female Reproductive Toxicity)</i>
Ethylene Glycol <i>(ingested)</i>	107-21-1	08/07/2009 <i>(Developmental Toxicity)</i>

NFPA / HMIS:



Contents of this SDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

16 – OTHER INFORMATION

ADDITIONAL:..... The information contained in this SDS is based on the data available to us from sources we believe to be reliable. No warranty or guaranty expressed or implied is made regarding the accuracy of this data or the results obtained from the reliance on this data. The manufacturer assumes no responsibility for injury from the use of this product. Be safe—read this product safety information and pass it on to all persons who may be exposed to this product. Federal law requires it. This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.

REVISION DATE: 03/15/24