

MATERIAL SAFETY DATA SHEET

PRODUCT

Accepta 8014**1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION**

PRODUCT NAME: Accepta 8014

APPLICATION: Organic Deposit Dispersant, Penetrant, Cleaner & Corrosion Inhibitor

COMPANY IDENTIFICATION: Accepta Ltd
Statham House
Talbot Rd, Manchester
M32 0FP, United Kingdom

EMERGENCY PHONE NUMBER: +44 (0)161 877 2334

2. COMPOSITION/ INFORMATION ON INGREDIENTS

(Confidential)

Proprietary aliphatic amide hydrolysates: 30%
Inert Ingredients: 70%

Chemical Family: amide hydrolysate

Descriptions: light amber liquid; can be clear to slightly hazy

CAS No.: Proprietary; Use NJTS No. TSRN 989-383-230-0604 as equivalent

3. HAZARDS IDENTIFICATION**POTENTIAL HEALTH EFFECTS** (See Section 11 for toxicological data)

EYE: Based on similar materials, this material may cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness.

SKIN: Based on similar materials, prolonged exposure may cause skin burns. A single prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts.

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INGESTION: No specific data has been generated. Based on similar materials, single dose oral toxicity is extremely low. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury. Ingestion may cause gastrointestinal irritation or ulceration. Ingestion may cause burns of mouth and throat.

INHALATION: No specific data has been generated. Based on similar materials, excessive exposure may cause irritation to upper respiratory tract.

SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: There is no specific data. Based on related materials, repeated oral doses of related active ingredient to laboratory animals may result in injury to gastrointestinal tract.

CANCER INFORMATION: No data.

TERATOLOGY (BIRTH DEFECTS): No data.

REPRODUCTIVE EFFECTS: No data.

4.	FIRST AID
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EYE: Immediate and continuous irrigation with flowing water for at least 30 minutes is imperative. Prompt medical consultation is essential.

SKIN: Wash off in flowing water or shower.

INGESTION: Do not induce vomiting. Give large amounts of water or milk if available, and transport patient to a medical facility. Do not give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air if effects occur. Consult a physician.

NOTE TO PHYSICIAN:

No specific data has been determined but based on similar materials the materials may cause tissue destruction leading to stricture. If lavage is performed, suggest endotracheal and/or esophagosopic control. If burn is present, treat as any thermal burn, after decontamination. No specific antidote.

Supportive care: Treatment based on judgment of the physician in response to reactions of the patient.

5.	FIRE FIGHTING MEASURES
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FLASH POINT: None to 212° F

METHOD USED: SFCC

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FLAMMABILITY LIMITS

LFL: Not applicable

UFL: Not applicable

HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Hazardous combustion products may include but are not limited to: sulfur oxides, nitrogen oxides, carbon monoxide, carbon dioxide.

OTHER FLAMMABILITY INFORMATION: This material will not burn until the water has evaporated. Residue can burn.

EXTINGUISHING MEDIA: To extinguish combustible residues of this product, use water fog, carbon dioxide, dry chemical, or foam. This material is not expected to burn unless all water is boiled away. The remaining organics may be ignitable.

FIRE FIGHTING INSTRUCTIONS: Keep people away. Isolate fire area and deny unnecessary entry. Contain fire run-off if possible. Review the "Accidental Release Measures" and the "Ecological Information" sections of this MSDS.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, pants, boots, and gloves.) If protection equipment is not available or not used, fight fire from a protected location or safe distance.

6.	ACCIDENTAL RELEASE MEASURES
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(See Section 15 for Regulatory Information)

PROTECT PEOPLE: Clear all non-essential personnel from area. Barricade and control area. Avoid contact with eyes and skin. May be a slipping hazard. Use appropriate safety equipment. For additional information, refer to "Section 8 Exposure Controls/Personal Protection."

PROTECT THE ENVIRONMENT: Contain material to prevent contamination of the soil, surface water and ground water. Spills should be collected to prevent contamination of waterways.

CLEANUP: Contain spill if possible. Clean up with absorbent material. Collect material in suitable and properly labeled open containers. Please refer to Disposal Information, MSDS Section 13.

7.	HANDLING AND STORAGE
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HANDLING: Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Refer to "Exposure Controls/Personal Protection," Section 8, of the MSDS.

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STORAGE: Keep containers tightly closed when not in use. Do not store near food, foodstuff, drugs or potable water supplies. Storage must only be in original containers. If exposed to temperatures below freezing point (40° F, 5° C), assure product reaches 50 ° F, 10° C, prior to use. Gently agitate contents of container. Vigorous agitation is not required.

Please Note: **Freezing will not harm product performance.** Simply bring to room temperature by storing at room temperature and allowing it to warm up. It is not recommended to heat or to put a heating device into contact with the liquid product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

PERSONAL PROTECTIVE EQUIPMENT EYE/FACE PROTECTION: Use chemical goggles. Eye wash fountain should be located in immediate work area.

SKIN PROTECTION: When prolonged or repeated contact could occur, use protective clothing impervious to this material. Selection of specific items such as gloves, boots and apron or full-body suit will depend on operation.

RESPIRATORY PROTECTION: When respiratory protection is required for certain operations, use an approved air-purifying respirator (organic vapors). Respiratory protection may be required if operating conditions create an aerosol of the product.

EXPOSURE GUIDELINES: If end-use operation results in misting or aerosols and cannot be controlled, an organic vapor respirator, in combination with gloves and goggles is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE:

APPEARANCE: Clear to slightly hazy

ODOR: Vinegar-like

COLOR: Tea brown to tan but can be near water white; color does not affect performance or assay

VAPOR PRESSURE: 23.7 mmHg @ 25C (estimated); 100% active ingredient 0.09 mmHg at 68°F.

VAPOR DENSITY: (Air = 1):2.25

BOILING POINT: active ingredient boiling point greater than 250° F; formulation water content can boil at 212° F, 100° C; and leave active ingredient;

SOLUBILITY IN WATER/MISCIBILITY: Miscible in high proportions

SPECIFIC GRAVITY OR DENSITY: About 8.31 lbs/gal (3.8 kg/3.78 L)

FREEZING/MELTING POINT: Below 35° F

PH: 6

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Accepta 8014**10. STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable under recommended storage conditions. As in general with any organic chemical, do not mix or formulate with oxidizers such as chlorine; formulating with oxidizer is not the same as using it in systems containing low use levels of oxidizers. See storage section.

CONDITIONS TO AVOID: Product can decompose at elevated temperatures.

INCOMPATIBILITY WITH OTHER MATERIALS: Avoid use with aldehydes in concentrated form as under some conditions it can cause a pink color to form. The reaction between aldehydes and this material has not been studied but it is known that materials of this type which contain an amine function can react with aldehydes.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition products depend upon temperature, air supply and the presence of other materials.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

The following results are for a similar product.

ACUTE ORAL TOXICITY:

Species	LD50	Test Descriptor
Rat	>5,000 mg/kg	Similar Product

Rating: Non-Hazardous

ACUTE DERMAL TOXICITY:

Species	LD50	Test Descriptor
Rabbit	>2,000 mg/kg	Similar Product

Rating: Non-Hazardous

PRIMARY SKIN IRRITATION

Draize Score	Test Descriptor
1.3 / 8.0	Similar Product

Rating: Slightly irritating
Non-Irritant

PRIMARY EYE IRRITATION:

Draize Score	Test Descriptor
59 – 92 / 110.0	Similar Product

Rating: Severely irritating
Eye irritant

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SENSITIZATION:

This product may, under some conditions, have skin sensitizer properties based on similar chemistries.

CARCINOGENICITY:

None of the substances in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the American Conference of Governmental Industrial Hygienists (ACGIH)

HUMAN HAZARD CHARACTERIZATION:

Based on our hazard characterization, the potential human hazard is: Moderate

12.	ECOLOGICAL INFORMATION
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ENVIRONMENTAL FATE – INHERENTLY BIODEGRADABLE

This material will degrade at a moderate rate and is considered “inherently biodegradable” according to OECD protocols. The active ingredient degraded to 45% in a 28 day Zahn Wellens Inherent Biodegradability (OECD 302B Test).

ECOTOXICITY: Aquatic toxicology studies indicate the LC50 for this product is 7 to 60 times less toxic than other chemicals commonly used in water treatment applications. One such chemical class are quaternary ammonium compounds generally known as “quats” and one key member of that class is ADBAC. (Accepta 8014 is not a quat.)

ECOTOXICOLOGICAL EFFECTS:

13.	DISPOSAL CONSIDERATIONS
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If this product becomes a waste, it is not a hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, since it does not have the characteristics of Subpart C, nor is it listed under Subpart D.

As a non-hazardous waste, it is not subject to federal regulation. Consult state or local regulation for any additional handling, treatment or disposal requirements. For disposal, contact a properly licensed waste treatment, storage disposal or recycling facility.

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(See Section 15 for Regulatory Information)

Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

AMSA, INC. HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL.

THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION 2 (Composition/information on Ingredients).

FOR UNUSED & UNCONTAMINATED PRODUCT: The preferred options include sending to a licensed, permitted incinerator or other thermal destruction device.

14.	TRANSPORT INFORMATION
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The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper Shipping Name / Hazard Class may vary by packaging, properties, and mode of transportation. Typical Proper Shipping Names for this product are as follows.

LAND TRANSPORT:

Proper Shipping Name: Product is not regulated during transportation

AIR TRANSPORT (ICAO/IATA):

Proper Shipping Name: Product is not regulated during transportation

MARINE TRANSPORT (IMDG/IMO):

Proper Shipping Name: Product is not regulated during transportation

DEPARTMENT OF TRANSPORTATION (D.O.T): For DOT regulatory information, if required, consult transportation regulations, product shipping papers or contact your representative. Can ship as non-hazardous as per D.O.T. regulations.

15.	REGULATORY INFORMATION
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(Not meant to be all-inclusive. Selected regulations represented.)

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NATIONAL REGULATIONS, USA:

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200:

Based on our hazard evaluation, the following substance(s) in this product is/are hazardous and the reason(s) is/are shown below.

Aliphatic amide hydrolysates: Eye irritant

CERCLA/SUPERFUND, 40 CFR 117, 302:

Notification of spills of this product is not required.

SARA/SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (TITLE III) – SECTIONS 302, 311, 312, AND 313:

SECTION 302 – EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

This product **does not contain substances listed in Appendix A and B as an Extremely Hazardous** Substance.

SECTIONS 311 AND 312 – MATERIAL SAFETY DATA SHEET REQUIREMENTS (40 CFR 370):

Our hazard evaluation has found this product to be non-hazardous. The product should be reported under the following indicated EPA hazard categories:

- Immediate (Acute) Health Hazard
- Delayed (Chronic) Health Hazard
- Fire Hazard
- Sudden Release of Pressure Hazard
- Reactive Hazard

Under SARA 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are: 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals. This is a statement of fact.

SECTION 313 – LIST OF TOXIC CHEMICALS (40 CFR 372):

This product does not contain substances on the List of Toxic Chemicals.

TOXIC SUBSTANCES CONTROL ACT (TSCA):

The substances in this preparation are included on or exempted from the TSCA 8(b) Inventory (40 CFR 710)

FEDERAL WATER POLLUTION CONTROL ACT, CLEAN WATER ACT, 40 CFR 401.15 / formerly Sec. 307, 40 CFR 116.4 / formerly Sec. 311:

None of the substances are specifically listed in the regulation.

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CLEAN AIR ACT, Sec. 112 (40 CFR 61, Hazardous Air Pollutants), Sec. 602 (40 CFR 82, Class I and II Ozone Depleting Substances):

None of the substances are specifically listed in the regulation.

CALIFORNIA PROPOSITION 65:

This product does not contain substances which require warning under California Proposition 65.

MICHIGAN CRITICAL MATERIALS:

None of the substances are specifically listed in the regulation.

STATE RIGHT TO KNOW LAWS:

The following substances are disclosed for compliance with State Right to Know Laws:

Water:	7732-18-5
Aliphatic amide hydrolysates	Proprietary

16.	OTHER INFORMATION
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Due to our commitment to Product Stewardship, we have evaluated the human and environmental hazards and exposures of this product. Based on our recommended use of this product, we have characterized the product's general risk. This information should provide assistance for your own risk management practices. We have evaluated our product's risk as follows.

*The human risk is: Low

*The environmental risk is: Moderate

Any use inconsistent with our recommendations may affect the risk characterization.

This product material safety data sheet provides health and safety information. The product is to be used in applications consistent with our product literature. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. For any other uses, exposures should be evaluated so that appropriate handling practices and training programs can be established to insure safe workplace operations. Please consult your local sales representative for any further information.

MSDS STATUS:

The data contained in this data sheet is based on Accepta Ltd's present knowledge of the health and safety properties of the product, and is believed to be accurate and given in good faith.

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The physical and chemical properties are typical values only and do not constitute the specification of the product, which will be agreed separately.

It is for the customer to satisfy itself on the suitability of the product for its own particular purpose.

Accepta Ltd. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded, except to the extent that law prevents such exclusion.

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.