Safety Data Sheet (SDS)
True North Chemicals Grape Crush

SECTION 1: PRODUCT AND COMPANY INFORMATION

SUPPLIER / DISTRIBUTOR

DSI Automotive Products
1271 Fayland Dr.
Fargo, ND 58102
dsi@dsiautomotive.com
Telephone: (800) 437-4621
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PRODUCT IDENTIFIER

True North Chemicals Grape Crush

OTHER COMMON NAMES OR SYNONYMS

Section 2: Hazard(s) Identification

GHS CLASSIFICATION

HEALTH HAZARDS
Serious Eye Damage/Eye Irritation - Category 2A

UNKNOWN TOXICITY
Acute toxicity, oral - 0.0 %
Acute toxicity, dermal - 0.0 %
Acute toxicity, inhalation, vapor - 6.6 %
Acute toxicity, inhalation, dust or mist - 6.6

GHS LABEL ELEMENTS

Signal word: **DANGER!**

HAZARD STATEMENT(S)
Causes serious eye irritation.

PRECAUTIONARY STATEMENTS

PREVENTION
Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

RESPONSE
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If exposed or concerned: Get medical advice/attention.

STORAGE
Store locked up

DISPOSAL
Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

OTHER HAZARDS
None identified.

Section 3: Composition/Information on Ingredients

The identity of individual components of this mixture is proprietary information and is regarded to be a trade secret and is withheld in accordance with paragraph (i) of §1910.1200.

Ingredient	% by Wt.
Surfactant Blend	85-98%
Emulsifiers	0-5%

Section 4: First-Aid Measures

GENERAL: If exposed or concerned: Get medical advice/attention.

INGESTION: Rinse mouth. Get medical attention if symptoms occur.

INHALATION: Remove exposed person to fresh air if adverse effects are observed.

SKIN CONTACT: Take off contaminated clothing and wash before re-use. Wash with soap and water. If skin irritation occurs, get medical attention.

EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Most important symptoms/effects, acute and delayed:

SYMPTOMS
Symptoms may be delayed.
Indication of immediate medical attention and special treatment needed

TREATMENT
Treat symptomatically.

Section 5: Fire-Fighting Measures

GENERAL FIRE HAZARDS: No unusual fire or explosion hazards noted.

SUITABLE EXTINGUISHING MEDIA: Use extinguishing agents appropriate for surrounding fire.

UNSUITABLE EXTINGUISHING MEDIA: Not determined.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: See section 10 for additional information. Material will not burn until water has been evaporated. Container may rupture on heating. Water or foam may cause frothing. Avoid solid streams of water. Use water spray.

SPECIAL FIRE FIGHTING PROCEDURES: No data available.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: Recommend wearing self-contained breathing apparatus.

Section 6: Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
Ventilate area if spilled in confined space or other poorly ventilated areas. Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP
Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Wash area with soap and water. Spilled liquid and dried film are slippery. Use care to avoid falls. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements or confined areas.

ENVIRONMENTAL PRECAUTIONS
Avoid release to the environment. Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

Section 7: Handling and Storage

PRECAUTIONS FOR SAFE HANDLING
Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Avoid contact with eyes. Observe good industrial hygiene practices. Provide adequate ventilation. Use personal protective equipment as required. Wash hands thoroughly after handling. Launder contaminated clothing before reuse. Avoid environmental contamination.

Avoid contact with eyes and prolonged or repeated contact with skin. Avoid breathing mists or vapors. When using do not eat, drink or smoke. Stir well before use. Keep containers closed when not in use. Minimize contact with air to reduce contamination with mold, fungus, or other organisms which could cause decomposition or spoilage. Wash thoroughly after handling.

MAXIMUM HANDLING TEMPERATURE
Not determined.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES
Store away from incompatible materials. See section 10 for incompatible materials. Keep from freezing. Do not store in open, unlabeled or mislabeled containers.

MAXIMUM STORAGE TEMPERATURE
Not determined.

Section 8: Exposure Controls/Personal Protection

<u>CONTROL PARAMETERS</u>

OCCUPATIONAL EXPOSURE LIMITS
None of the components have assigned exposure limits.

APPROPRIATE ENGINEERING CONTROLS
Use material in well ventilated area only. Adequate ventilation should be provided so that exposure limits are not exceeded. Mechanical ventilation or local exhaust ventilation may be required.

<u>INDIVIDUAL PROTECTION MEASURES</u>

GENERAL INFORMATION
Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour)

should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

EYE/FACE PROTECTION
If contact is likely, safety glasses with side shields are recommended.

SKIN PROTECTION / HAND PROTECTION
Suitable gloves can be recommended by the glove supplier. Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur wear chemically protective gloves.

OTHER
Gloves, coveralls, apron, boots as necessary to minimize contact. Do not wear rings, watches or similar apparel that could entrap the material.

RESPIRATORY PROTECTION
A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator. Under normal use conditions, respirator is not usually required. Use appropriate respiratory protection if exposure to dust particles, mist or vapors is likely. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

HYGIENE MEASURES
Observe good industrial hygiene practices. Avoid contact with eyes. Wash hands before breaks and immediately after handling the product.

Section 9: Physical and Chemical Properties

PHYSICAL STATE
Liquid

FORM
Liquid

COLOR
Colorless to white

ODOR
Slight

ODOR THRESHOLD
No data available.

PH
No data available.

FREEZING POINT
No data available.

BOILING POINT
Approximate 212 °F (100 °C)

FLASH POINT
Material will not burn.

EVAPORATION RATE
No data available.

FLAMMABILITY (SOLID, GAS)
No data available.

FLAMMABILITY LIMIT - UPPER (%)
No data available.

FLAMMABILITY LIMIT - LOWER (%)
No data available.

EXPLOSIVE LIMIT - UPPER (%)
No data available.

EXPLOSIVE LIMIT - LOWER (%)
No data available.

VAPOR PRESSURE
No data available.

VAPOR DENSITY
No data available.

RELATIVE DENSITY
1 - 1.01 68 °F (20 °C)

SOLUBILITY IN WATER
Insoluble in water

SOLUBILITY (OTHER)
No data available.

PARTITION COEFFICIENT (N-OCTANOL/WATER)
No data available.

AUTO-IGNITION TEMPERATURE
No data available.

DECOMPOSITION TEMPERATURE
No data available.

VISCOSITY
No data available.

Section 10: Stability and Reactivity

REACTIVITY
No data available.

CHEMICAL STABILITY
Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS
Will not occur.

CONDITIONS TO AVOID
Do not freeze.

INCOMPATIBLE MATERIALS
Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Irritating and toxic substances may be emitted upon combustion, burning, or decomposition of dry solids.

Section 11: Toxicological Information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

ROUTES OF EXPOSURE

INHALATION: No data available.

INGESTION: No data available.

SKIN CONTACT: Causes mild skin irritation.

EYE CONTACT: Causes serious eye irritation.

TOXICOLOGICAL EFFECTS

ACUTE TOXICITY

ORAL: ATEmix > 10.000 mg/kg.

DERMAL: Not classified for acute toxicity based on available data.

INHALATION: Not classified for acute toxicity based on available data.

SKIN CORROSION/IRRITATION: Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin. Remarks: Causes mild skin irritation.

SERIOUS EYE DAMAGE/EYE IRRITATION: Causes serious eye irritation.

RESPIRATORY SENSITIZATION

Formaldehyde - (Literature) May cause skin sensitzation in sensitive individuals.

SKIN SENSITIZATION:

Coconut diethanolamide - Not a skin sensitizer.

Formaldehyde - May cause sensitization by skin contact. (Literature)

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE:

Alkanolamide - If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.

Ammonium laureth sulfate - If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.

Sodium lauryl ether sulfate - If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.

Coconut diethanolamide - May cause irritation to the mucous membranes and upper respiratory tract.

Formaldehyde - May cause respiratory irritation.

ASPIRATION HAZARD: No data available

CHRONIC EFFECTS

This product contains 0.09% or less of Formaldehyde, which is below the cut off for categorization as a carcinogen.

CARCINOGENICITY:

Butyl cellosolve - A National Toxicology Program (NTP) chronic inhalation study revealed some evidence of carcinogenic activity in male and female mice, equivocal evidence in female rats. and no evidence in male rats.

IARC MONOGRAPHS ON THE EVALUATION OF CARCINOGENIC RISKS TO HUMANS:

Formaldehyde - Overall evaluation: 1. Carcinogenic to humans.

US. NATIONAL TOXICOLOGY PROGRAM (NTP) REPORT ON CARCINOGENS:

Formaldehyde - Known To Be Human Carcinogen.

US. OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050):

Formaldehyde - Cancer

GERM CELL MUTAGENICITY:

Alkanolamide - The Ames Salmonella test for mutagenicity was negative for this product.

REPRODUCTIVE TOXICITY: No data available

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE:

Formaldehyde - Unknown: Target Organ(s): Central nervous system.

Section 12: Ecological Information (non-mandatory)

Section 13: Disposal Considerations (non-mandatory)

Section 14: Transport Information (non-mandatory)

Section 15: Regulatory Information (non-mandatory)

Section 16: Other Information

PREPARATION / REVISION DATE
05/14/2015

OTHER INFORMATION
This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

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