



# SAFETY DATA SHEET

## Material Identity:

TC 110 -- NON-CHLORINATED BRAKE & PARTS CLEANER

### SECTION 1 · COMPANY AND PRODUCT IDENTIFICATION

**Manufacturers Address:**

Tomorrow Chemicals  
P.O. Box 2630  
Daphne, AL 36526  
1-888-244-3350

**Emergency Phone CHEMTREC:** (800) 424-9300**General Information:** (404) 355-8220**Synonyms:** Hydrocarbon Mixture**Product Description:** Solvent Blend

### SECTION 2 · HAZARDS IDENTIFICATION

**GHS Classification:****[ Health ]**

Aspiration hazard Category 1

Skin irritation Category 2

Eye irritation Category 2A

Reproductive toxicity Category 2

Specific target organ toxicity - repeated exposure (Category 2), Oral, Inhalation

Specific target organ toxicity - single exposure (Category 3), Central nervous system

**[ Environmental ]**

Acute Aquatic Toxicity Category 2

Chronic aquatic toxicity Category 2

**[ Physical ]**

Flammable Liquid Category 2

**GHS Label elements, including precautionary statements****Pictograms****Signal Word:** Danger**Hazard statement(s)**

H225 Highly flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure if swallowed or inhaled.

H411 Toxic to aquatic life with long lasting effects.

**Precautionary statement(s)**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

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

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

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

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.



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#### SECTION 2 · HAZARDS IDENTIFICATION (continued)

P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.  
P501 Dispose of contents/ container to an approved waste disposal facility.

#### SECTION 3 · COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
N-Hexane, isomer mixture	110-54-3	87-97
Isopropyl Alcohol	67-63-0	01-10
Methanol	67-56-1	<01

#### SECTION 4 · FIRST AID MEASURES

##### FIRST AID PROCEDURES:

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.

Move out of dangerous area.

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**Skin:** Wash off with soap and plenty of water. Consult a physician.

**Eye:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### SECTION 5 · FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Hazardous combustion products:** Oxides of carbon and various hydrocarbons

**Fire Fighting Procedures:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Unusual Fire and Explosion Hazards:** Containers can build up pressure if exposed to heat and/or fire. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back.

#### SECTION 6 · ACCIDENTAL RELEASE and DISPOSAL MEASURES

**Spills:** Evacuate all non-essential personnel from the spill area. Eliminate all ignition sources. Suitable protective clothing should be worn. Shut off or plug source of spill and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. Salvage as much re-useable liquid as possible into a suitable container. Avoid contaminating ground and surface water.

#### SECTION 7 · STORAGE AND HANDLING

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Moisture sensitive.



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#### SECTION 8 · EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering Controls:** Provide explosion-proof ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below.

<b>Exposure Limits:</b>	N-Hexane, isomer mixture	50 ppm ACGIH	500 ppm OSHA
	Isopropyl Alcohol	400 ppm ACGIH	400 ppm OSHA
	Methanol	200 ppm ACGIH	250 ppm OSHA

#### Personal Protective Equipment (PPE):

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

**Skin:** If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

**Clothing:** Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.

**Respirators:** Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

**Other Equipment:** Eye wash station and shower in close proximity to use are advised.

#### SECTION 9 · PHYSICAL AND CHEMICAL PROPERTIES

**Flash Point:** 10 °F

**Autoignition Temperature:** No available data

**Boiling Point:** 154-160 °F

**Melting Point:** -137 °F

**Vapor Pressure:** 125 mmHg

**Vapor Density (Air-1):** 2.5

**Odor/Appearance:** Clear colorless liquid with penetrating odor

**Flammability Limits:** Lower: 1 Upper: 7

**Specific Gravity:** 0.69

**Volatile %:** 100

**Evaporation Rate (BuAc=1):** 8.6

**pH:** Not Applicable

**Solubility in Water:** Insoluble

#### SECTION 10 · STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal use and temperature conditions.

**Conditions to Avoid:** Heat, flames and sparks. Extremes of temperature and direct sunlight.

**Incompatible Materials:** Strong oxidizing agents

**Decomposition Products:** When combusted, oxides of carbon and various hydrocarbons.



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**SECTION 11 · TOXICOLOGICAL INFORMATION**

**Signs and Symptoms of Overexposure:**

**Skin:** Contact can cause redness and irritation. Severity depends on the amount and duration of exposure.

**Eyes:** Vapors are irritating to the eyes. Liquid contact causes serious eye irritation.

**Inhalation:** Excessive inhalation of high concentrations may be harmful. Mist or vapor can irritate the throat and lungs. Breathing this material may cause central nervous system depression.

**Ingestion:** If swallowed this material may irritate the mucous membranes of the mouth throat and esophagus. Aspiration of this material into the lungs may result in damage or death.

**Acute oral toxicity:**

N-Hexane: LD50 rat: 25,000 mg/kg

Isopropyl Alcohol: LD50 rat: 5,045 mg/kg

Methanol: LD50 rat: 1,187 - 2,769 mg/kg

**Acute inhalation toxicity:**

N-Hexane: LD50 rat: 48000 ppm

Isopropyl Alcohol: LD50 rat: 1600 ppm 4h

Methanol: LC50 rat: 128.2 mg/l 4h

**Acute dermal toxicity:**

N-Hexane: LD50 rabbit; No available data

Isopropyl Alcohol: LD50 rabbit: 12,800 mg/kg

Methanol: LD50 rabbit: 17,100 mg/kg

**SECTION 12 · ECOLOGICAL INFORMATION**

**Aquatic Toxicity:** This product presents a significant hazard to aquatic life. Toxic to aquatic life with long lasting effects.

**Bio-accumulative potential:** Bioaccumulation of this product is not expected to be significant. This product is readily biodegradable.

**Mobility:** Accidental spillage may lead to penetration in the soil and contamination of groundwater.

**SECTION 13 · DISPOSAL CONSIDERATIONS**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**SECTION 14 · TRANSPORTATION**

**U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):**

**Proper Shipping Name:** Flammable Liquid, n.o.s. (Hexane, Isopropyl Alcohol, Methanol)

**Hazard Class** 3

**UN Number:** 1993

**Packaging Group:** II



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#### SECTION 15 · REGULATORY INFORMATION

##### US FEDERAL REGULATIONS

###### Comprehensive Environmental Response and Liability Act (CERCLA)

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. The reportable quantity (RQ) for this material is 3100 pounds. If appropriate, immediately report to the National Response Center (800/424-8802) as required by U.S.Federal Law. Also contact appropriate state and local regulatory agencies.

**Toxic Substance Control Act (TSCA):** All components of this product are listed on the TSCA inventory list.

###### SARA Section 311/312 (40 CFR 370) Hazard Categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

**SARA Section 313 (40 CFR 372) Hazard Categories:** This product contains the following toxic chemical subject to reporting requirements, Hexane

**Clean Water Act:** This product contains no chemicals that are listed under the CWA.

**Clean Air Act:** This product contains Hexane a chemical listed under the CAA.

**California Prop 65:** This product contains no chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

#### SECTION 16 · OTHER INFORMATION

**SDS Revision Date:** May 2015

**NFPA Ratings:** **HEALTH: 2** **FLAMMABILITY: 3** **REACTIVITY: 0**

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Whitaker be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Whitaker has been advised of the possibility of such damages. The vendor assumes no responsibility for injury or damages resulting from the inappropriate alteration or manipulation of this SDS and its contents from that originally submitted by Whitaker.