SAFETY DATA SHEET

1. Identification

Product identifier Trans-X® For Trucks

Other means of identification

Product code 402035

Recommended use Transmission fluid additive

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufactured or sold by:

CRC Industries, Inc. Company name

885 Louis Dr. **Address**

Warminster, PA 18974 US

Telephone

General Information 215-674-4300 **Technical** 800-521-3168

Assistance

800-272-4620 **Customer Service** 24-Hour Emergency 800-424-9300 (US)

703-527-3887 (International) (CHEMTREC) Website www.crcindustries.com

2. Hazard(s) identification

Physical hazards Flammable liquids Category 2 **Health hazards** Skin corrosion/irritation Category 2

> Category 2A Serious eye damage/eye irritation Carcinogenicity Category 2 Reproductive toxicity (the unborn child) Category 2 Specific target organ toxicity, repeated Category 2

exposure

Aspiration hazard Category 1 Hazardous to the aquatic environment, acute Category 3

hazard

Not classified. **OSHA** defined hazards

Label elements

Environmental hazards



Signal word Danger

Hazard statement Highly flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin

irritation. Causes serious eye irritation. Suspected of causing cancer. Suspected of damaging the unborn child. May cause damage to organs (liver, kidneys, brain, lungs) through prolonged or

repeated exposure. Harmful to aquatic life.

Precautionary statement Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Use only with adequate ventilation; maintain ventilation during use and until all vapors are gone. Open doors and windows or use other means to ensure a fresh air supply during use. If you experience any symptoms listed on this label, increase ventilation or leave the area. Do not breathe mist or vapor. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

Response If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin (or hair):

> Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical attention. 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 attention. Get medical advice/attention if you feel unwell. Wash contaminated clothing before reuse. If exposed or concerned: Get medical attention. In case of fire: Use appropriate media to

extinguish.

Storage Store in a well-ventilated place. Keep cool. Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national regulations.

Hazard(s) not otherwise classified (HNOC)

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

3. Composition/information on ingredients

| Mixtures | | | |
|--|--------------------------|------------|---------|
| Chemical name | Common name and synonyms | CAS number | % |
| Distillates (petroleum), hydrotreated heavy naphthenic | | 64742-52-5 | 70 - 80 |
| Isopropyl alcohol | | 67-63-0 | 10 - 20 |
| Xylene | | 1330-20-7 | 5 - 10 |
| Toluene | | 108-88-3 | 3 - 5 |
| 4-Hydroxy-4-methylpentan-2-one (Diacetone alcohol) | | 123-42-2 | 1 - 3 |
| Ethylbenzene | | 100-41-4 | 1 - 3 |

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

| Inhalation | If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. |
|------------|--|
| | Call a physician if symptoms develop or persist. |

Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation Skin contact

occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If Ingestion

vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may Most important symptoms/effects, acute and

include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects. delaved

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

General information

Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media Alcohol resistant foam. Water fog. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions General fire hazards

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do

so without risk.

Highly flammable liquid and vapor.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Prevent entry into waterways, sewer, basements or confined areas.

Environmental precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases. Use appropriate containment to avoid environmental contamination.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading. vacuum truck operations. Take precautionary measures against static discharges. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. For product usage instructions, please see the product label.

Conditions for safe storage, including any incompatibilities Keep away from heat, sparks and open flame. Eliminate sources of ignition. Avoid spark promoters. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

| Components | Туре | Value | Form |
|--|------|------------|-------|
| 4-Hydroxy-4-methylpentan- 2-one (Diacetone alcohol) (CAS 123-42-2) | PEL | 240 mg/m3 | |
| | | 50 ppm | |
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | PEL | 5 mg/m3 | Mist. |
| , | | 2000 mg/m3 | |
| | | 500 ppm | |
| Ethylbenzene (CAS 100-41-4) | PEL | 435 mg/m3 | |
| | | 100 ppm | |

| Components | taminants (29 CFR 1910.1000) Type | Value | Form |
|---|--------------------------------------|--|---------------------|
| Isopropyl alcohol (CAS 67-63-0) | PEL | 980 mg/m3 | |
| , | | 400 ppm | |
| Xylene (CAS 1330-20-7) | PEL | 435 mg/m3 | |
| US. OSHA Table Z-2 (29 CFR 1910.1000 | 0 | 100 ppm | |
| Components | Туре | Value | |
| Toluene (CAS 108-88-3) | Ceiling | 300 ppm | |
| | TWA | 200 ppm | |
| US. ACGIH Threshold Limit Values | | | |
| Components | Туре | Value | Form |
| 4-Hydroxy-4-methylpentan- 2-one (Diacetone alcohol) (CAS 123-42-2) | TWA | 50 ppm | |
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | TWA | 5 mg/m3 | Inhalable fraction. |
| Ethylbenzene (CAS 100-41-4) | TWA | 20 ppm | |
| sopropyl alcohol (CAS 67-63-0) | STEL | 400 ppm | |
| • | TWA | 200 ppm | |
| Γoluene (CAS 108-88-3) | TWA | 20 ppm | |
| Xylene (CAS 1330-20-7) | STEL | 150 ppm | |
| | TWA | 100 ppm | |
| US. NIOSH: Pocket Guide to Chemical I | Hazards | | |
| Components | Туре | Value | Form |
| 4-Hydroxy-4-methylpentan- 2-one (Diacetone alcohol) CAS 123-42-2) | TWA | 240 mg/m3 | |
| | | | |
| | | 50 ppm | |
| nydrotreated heavy naphthenic (CAS | Ceiling | 50 ppm 1800 mg/m3 | |
| nydrotreated heavy naphthenic (CAS | Ceiling STEL | | Mist. |
| nydrotreated heavy naphthenic (CAS | | 1800 mg/m3 | Mist. Mist. |
| nydrotreated heavy naphthenic (CAS 64742-52-5) Ethylbenzene (CAS | STEL | 1800 mg/m3 10 mg/m3 5 mg/m3 545 mg/m3 | |
| nydrotreated heavy naphthenic (CAS 64742-52-5) Ethylbenzene (CAS | STEL TWA STEL | 1800 mg/m3 10 mg/m3 5 mg/m3 545 mg/m3 125 ppm | |
| nydrotreated heavy naphthenic (CAS 64742-52-5) Ethylbenzene (CAS | STEL TWA | 1800 mg/m3 10 mg/m3 5 mg/m3 545 mg/m3 125 ppm 435 mg/m3 | |
| nydrotreated heavy naphthenic (CAS 54742-52-5) Ethylbenzene (CAS 100-41-4) | STEL TWA STEL | 1800 mg/m3 10 mg/m3 5 mg/m3 545 mg/m3 125 ppm 435 mg/m3 100 ppm | |
| hydrotreated heavy haphthenic (CAS 64742-52-5) Ethylbenzene (CAS 100-41-4) | STEL TWA STEL | 1800 mg/m3 10 mg/m3 5 mg/m3 545 mg/m3 125 ppm 435 mg/m3 100 ppm 1225 mg/m3 | |
| nydrotreated heavy naphthenic (CAS 54742-52-5) Ethylbenzene (CAS 100-41-4) sopropyl alcohol (CAS | STEL TWA STEL TWA STEL | 1800 mg/m3 10 mg/m3 5 mg/m3 545 mg/m3 125 ppm 435 mg/m3 100 ppm 1225 mg/m3 500 ppm | |
| nydrotreated heavy naphthenic (CAS 54742-52-5) Ethylbenzene (CAS 100-41-4) sopropyl alcohol (CAS | STEL TWA STEL | 1800 mg/m3 10 mg/m3 5 mg/m3 545 mg/m3 125 ppm 435 mg/m3 100 ppm 1225 mg/m3 500 ppm 980 mg/m3 | |
| nydrotreated heavy naphthenic (CAS 64742-52-5) Ethylbenzene (CAS 100-41-4) sopropyl alcohol (CAS 67-63-0) | STEL TWA STEL TWA STEL TWA | 1800 mg/m3 10 mg/m3 5 mg/m3 545 mg/m3 125 ppm 435 mg/m3 100 ppm 1225 mg/m3 500 ppm 980 mg/m3 400 ppm | |
| nydrotreated heavy naphthenic (CAS 64742-52-5) Ethylbenzene (CAS 100-41-4) sopropyl alcohol (CAS 67-63-0) | STEL TWA STEL TWA STEL | 1800 mg/m3 10 mg/m3 5 mg/m3 545 mg/m3 125 ppm 435 mg/m3 100 ppm 1225 mg/m3 500 ppm 980 mg/m3 400 ppm 560 mg/m3 | |
| hydrotreated heavy haphthenic (CAS 64742-52-5) Ethylbenzene (CAS 100-41-4) Isopropyl alcohol (CAS 67-63-0) | STEL TWA STEL TWA STEL TWA STEL | 1800 mg/m3 10 mg/m3 5 mg/m3 545 mg/m3 125 ppm 435 mg/m3 100 ppm 1225 mg/m3 500 ppm 980 mg/m3 400 ppm 560 mg/m3 150 ppm | |
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) Ethylbenzene (CAS 100-41-4) Isopropyl alcohol (CAS 67-63-0) Toluene (CAS 108-88-3) | STEL TWA STEL TWA STEL TWA | 1800 mg/m3 10 mg/m3 5 mg/m3 545 mg/m3 125 ppm 435 mg/m3 100 ppm 1225 mg/m3 500 ppm 980 mg/m3 400 ppm 560 mg/m3 | |

Biological limit values

| ACGIH Biological | Exposure Indices |
|-------------------------|-------------------------|
| Components | Value |

| Components | Value | Determinant | Specimen | Sampling Time |
|---------------------------------|-----------|---|---------------------|---------------|
| Ethylbenzene (CAS 100-41-4) | 0.15 g/g | Sum of mandelic acid and phenylglyoxylic acid | Creatinine in urine | * |
| Isopropyl alcohol (CAS 67-63-0) | 40 mg/l | Acetone | Urine | * |
| Toluene (CAS 108-88-3) | 0.3 mg/g | o-Cresol, with hydrolysis | Creatinine in urine | * |
| | 0.03 mg/l | Toluene | Urine | * |
| | 0.02 mg/l | Toluene | Blood | * |
| Xylene (CAS 1330-20-7) | 1.5 g/g | Methylhippuric acids | Creatinine in urine | * |

^{* -} For sampling details, please see the source document.

Exposure guidelines

US - California OELs: Skin designation

Toluene (CAS 108-88-3) Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

Toluene (CAS 108-88-3) Skin designation applies.

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. 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 wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Wear safety glasses with side shields (or goggles). Eye/face protection

Skin protection

Hand protection Wear protective gloves such as: Neoprene. Nitrile.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a

> NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to

determine actual employee exposure levels.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely

wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Liquid. **Physical state Form** Liquid. Color Red.

Mild petroleum. Odor **Odor threshold** Not available. Not available. pН

Melting point/freezing point -138.8 °F (-94.9 °C) estimated Initial boiling point and boiling 179.6 °F (82 °C) estimated

range

61 °F (16.1 °C) Tag Closed Cup Flash point

Evaporation rate Slow.

Not available. Flammability (solid, gas)

Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

1 % estimated

Flammability limit - upper

(%)

12 % estimated

Vapor pressure 8.2 hPa estimated

Vapor density > 1 (air = 1)

Relative density 0.87

Solubility (water) Negligible.

Partition coefficient Not availab

(n-octanol/water)

Not available.

Auto-ignition temperature 600 °F (315.6 °C) estimated

Decomposition temperatureNot available.Viscosity (kinematic)Not available.Percent volatile99.9 % estimated

10. Stability and reactivity

ReactivityThe product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.

Incompatible materials Strong acids. Acids. Strong oxidizing agents. Halogens. Isocyanates. Chlorine.

Hazardous decomposition

products

No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Ingestion Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious

chemical pneumonia.

Inhalation May cause damage to organs through prolonged or repeated exposure by inhalation.

Skin contact Causes skin irritation.

Eye contact Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness

and pain.

Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways.

| Product Species | | Test Results |
|---------------------|--------|-----------------------------------|
| Trans-X® For Trucks | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | 21416.7617 mg/kg estimated |
| Inhalation | | |
| LC50 | Rat | 43652.0469 ppm, 4 hours estimated |
| | | 140.9709 mg/l, 4 hours estimated |
| Oral | | |
| LD50 | Rat | 4906.8208 mg/kg estimated |
| | | |

^{*} Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye

irritation

Causes serious eye irritation.

Material name: Trans-X® For Trucks

402035 Version #: 01 Issue date: 03-30-2015

Respiratory sensitization Not available.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicityNo data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity Suspected of causing cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Ethylbenzene (CAS 100-41-4) 2B Possibly carcinogenic to humans.

Toluene (CAS 108-88-3)

3 Not classifiable as to carcinogenicity to humans.

Xylene (CAS 1330-20-7)

3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Components in this product have been shown to cause birth defects and reproductive disorders in

laboratory animals. Suspected of damaging the unborn child.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity - repeated exposure

 $\underset{\cdot}{\text{May cause damage to organs through prolonged or repeated exposure: Brain. Kidneys. Liver.}$

Lungs.

Aspiration hazard May be fatal if swallowed and enters airways. If aspirated into lungs during swallowing or vomiting,

may cause chemical pneumonia, pulmonary injury or death.

Chronic effects Prolonged exposure may cause chronic effects. May cause damage to organs through prolonged

or repeated exposure.

12. Ecological information

| toxicity | Harmful to | o aquatic life. | |
|---|------------------|---|-----------------------------------|
| Product | | Species | Test Results |
| Trans-X® For Trucks | | | |
| Aquatic | | | |
| Acute | | | |
| Crustacea | EC50 | Daphnia | 290.6302 mg/l, 48 hours estimated |
| Fish | LC50 | Fish | 406.7384 mg/l, 96 hours estimated |
| Components | | Species | Test Results |
| 4-Hydroxy-4-methylpentai | n-2-one (Diaceto | one alcohol) (CAS 123-42-2) | |
| Aquatic | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 8750 mg/l, 48 hours |
| Fish | LC50 | Bluegill (Lepomis macrochirus) | 420 mg/l, 96 hours |
| | | Goldfish (Carassius auratus) | > 5000 mg/l, 24 hours |
| Aquatic Acute Fish Ethylbenzene (CAS 100-4 Aquatic | LC50 | y naphthenic (CAS 64742-52-5) Fathead minnow (Pimephales promelas) | > 30000 mg/l |
| Acute | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 2.1 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 12.1 mg/l, 96 hours |
| Isopropyl alcohol (CAS 67 | ' -63-0) | | |
| Aquatic <i>Acute</i> | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 7550 - 13299 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 3200 mg/l, 96 hours |
| Toluene (CAS 108-88-3) | | | |
| Aquatic | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 5.46 - 9.83 mg/l, 48 hours |
| Fish | LC50 | Coho salmon,silver salmon (Oncorhynchus kisutch) | 8.11 mg/l, 96 hours |

Species Components **Test Results**

Xylene (CAS 1330-20-7)

Aquatic

Fish LC50 Rainbow trout.donaldson trout 9.5 - 19.2 ma/l. 96 hours

(Oncorhynchus mykiss)

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Partition coefficient n-octanol / water (log Kow)

4-Hydroxy-4-methylpentan-2-one (Diacetone alcohol) -0.098Ethylbenzene 3.15 Isopropyl alcohol 0.05 Toluene 2.73 3.12 - 3.2Xvlene

Bioconcentration factor (BCF)

15 **Xylene**

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal of waste from residues / unused products If discarded, this product is considered a RCRA ignitable waste, D001. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used

container. Dispose in accordance with all applicable regulations.

Hazardous waste code D001: Waste Flammable material with a flash point <140 F

Empty containers should be taken to an approved waste handling site for recycling or disposal. Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

14. Transport information

DOT

UN number UN1993

UN proper shipping name Flammable liquids, n.o.s. (Isopropyl alcohol RQ = 787 LBS, Xylene RQ = 1818 LBS), Limited

Quantity

Transport hazard class(es)

3 Class Subsidiary risk Label(s) 3 П **Packing group**

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Special provisions IB2, T7, TP1, TP8, TP28

Packaging exceptions 150 202 Packaging non bulk 242 Packaging bulk

IATA

UN number

Flammable liquids, n.o.s. (Isopropyl alcohol, Xylene), Limited Quantity **UN proper shipping name**

Transport hazard class(es)

3 **Class** Subsidiary risk Ш Packing group **Environmental hazards** No. **ERG Code** 3H

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo

aircraft

Allowed.

Allowed. Cargo aircraft only

^{*} Estimates for product may be based on additional component data not shown.

IMDG

UN number UN1993

UN proper shipping name FLAMMABLE LIQUID, N.O.S. (Isopropyl alcohol, Xylene), LIMITED QUANTITY

Transport hazard class(es)

Class 3
Subsidiary risk Packing group II
Environmental hazards

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

SARA 304 Emergency release notification

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Ethylbenzene (CAS 100-41-4) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)

CERCLA Hazardous Substance List (40 CFR 302.4)

Ethylbenzene (CAS 100-41-4) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)

CERCLA Hazardous Substances: Reportable quantity

Ethylbenzene (CAS 100-41-4) 1000 LBS
Toluene (CAS 108-88-3) 1000 LBS
Xylene (CAS 1330-20-7) 100 LBS

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Ethylbenzene (CAS 100-41-4) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act Not regulated.

(SDWA)

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Toluene (CAS 108-88-3) 6594

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Toluene (CAS 108-88-3) 35 %WV

DEA Exempt Chemical Mixtures Code Number

Toluene (CAS 108-88-3) 594

Food and Drug Not regulated.

Administration (FDA)

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Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 311/312 Immediate Hazard - Yes
Hazard categories Delayed Hazard - Yes
Fire Hazard - Yes
Proscure Hazard - No

Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. New Jersey Worker and Community Right-to-Know Act

4-Hydroxy-4-methylpentan-2-one (Diacetone alcohol) (CAS 123-42-2)

Ethylbenzene (CAS 100-41-4) Isopropyl alcohol (CAS 67-63-0) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)

US. Massachusetts RTK - Substance List

4-Hydroxy-4-methylpentan-2-one (Diacetone alcohol) (CAS 123-42-2) Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)

Ethylbenzene (CAS 100-41-4) Isopropyl alcohol (CAS 67-63-0) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Ethylbenzene (CAS 100-41-4) Isopropyl alcohol (CAS 67-63-0) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)

4-Hydroxy-4-methylpentan-2-one (Diacetone alcohol) (CAS 123-42-2)

US. Rhode Island RTK

Ethylbenzene (CAS 100-41-4) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

 Benzene (CAS 71-43-2)
 Listed: February 27, 1987

 Cumene (CAS 98-82-8)
 Listed: April 6, 2010

 Ethylbenzene (CAS 100-41-4)
 Listed: June 11, 2004

US - California Proposition 65 - CRT: Listed date/Developmental toxin

Benzene (CAS 71-43-2)

Toluene (CAS 108-88-3)

Listed: December 26, 1997

Listed: January 1, 1991

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin

Toluene (CAS 108-88-3) Listed: August 7, 2009 US - California Proposition 65 - CRT: Listed date/Male reproductive toxin

Benzene (CAS 71-43-2) Listed: December 26, 1997

Volatile organic compounds (VOC) regulations

EPA

VOC content (40 CFR 99.9 %

51.100(s))

Consumer products Not regulated

(40 CFR 59, Subpt. C)

State

Consumer productsNot regulatedVOC content (CA)23.8 %VOC content (OTC)23.8 %

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | No |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

16. Other information, including date of preparation or last revision

Issue date 03-30-2015
Prepared by Allison Cho

Version # 01

Further information CRC # 901

HMIS® ratings Health: 1*
Flammability: 3

Physical hazard: 0
Personal protection: B

NFPA ratings Health: 1

Flammability: 3 Instability: 0

NFPA ratings



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^{*}A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).