

1. PRODUCT & COMPANY IDENTIFICATION

SUPPLIER DETAILS:

Sprayroq
2870 Crestwood Blvd
Irondale, AL 35210
(205)957-0020
Sprayroq.com

EMERGENCY:

CHEMTREC 800.424.9300

2. HAZARD(S) IDENTIFICATION

GHS:

CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS):

HEALTH _____ Respiratory or skin sensitization, 1 Skin _____

HEALTH _____ Acute toxicity, 4 Oral _____

LABEL ELEMENTS

SIGNAL WORD _____ WARNING _____

PICTOGRAM



HAZARD STATEMENTS

H317 _____ May cause an allergic skin reaction _____

H302 _____ Harmful if swallowed _____

PRECAUTIONARY STATEMENTS

P264 _____ Wash skin thoroughly after handling _____

P270 _____ Do not eat, drink or smoke when using this product _____

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

P301+312 _____ IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell _____

P330 _____ Rinse mouth _____

P501 _____ Dispose of contents/container to a licensed waste disposal company _____

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS

ROUTE OF ENTRY:

Eyes; Ingestion; Inhalation; Skin; _____

TARGET ORGANS:

Eyes; Skin; Respiratory system; _____

**INHALATION:**

Heating, spraying, foaming or otherwise mechanically dispersing operations may generate vapor or aerosol concentrations sufficient to cause irritation or other adverse effects. Minimal respiratory tract irritation may occur with exposure to a large amount of material.

SKIN CONTACT:

Prolonged or repeated exposure can cause skin irritation or dermatitis in some individuals.

EYE CONTACT:

May cause watering of the eye and irritation of the conjunctiva.

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

CAS#	%	CHEMICAL NAME
0	40-80%	Non hazardous ingredients
111-46-6	1-20%	Diethylene glycol

4. FIRST AID MEASURES

INHALATION:

If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

SKIN CONTACT:

Remove all contaminated clothing and shoes. Wash skin with large quantities of water and soap. Wash clothing before wearing again and clean shoes. If redness, itching or a burning sensation develops or persists after the area is washed, consult a physician.

EYE CONTACT:

Flush eyes with plenty of water for at least 15 minutes. Use fingers to assure that the eyelids are separated and that the eye is being irrigated. Consult a physician.

INGESTION:

Bring to the attention of a physician. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

FLAMMABILITY: OSHA - none; DOT - none

FLASH POINT: >200°F

FLASH POINT METHOD: COC

AUTOIGNITION TEMP: NDA



Use dry chemical, foam, carbon dioxide, or halogenated agents. If water is used, use very large quantities. The reaction between water and hot isocyanate may be vigorous. If possible, contain fire run-off water.

PROTECTIVE EQUIPMENT:

Wear positive-pressure self-contained breathing apparatus with full face mask and full protective clothing.

UNUSUAL HAZARDS:

At temperatures greater than 400°F, polymeric MDI can polymerize and decompose which will cause pressure build-up in closed containers. Explosive rupture is possible. Water contamination will produce carbon dioxide. Do not reseal contaminated containers as pressure buildup may rupture the containers. Downwind personnel must be evacuated.

FIRE DEGRADATION PRODUCTS:

Isocyanate vapor and mist, carbon dioxide, carbon monoxide, nitrogen oxides and traces of hydrogen cyanide.

6. ACCIDENTAL RELEASE MEASURES

SPILL:

Remove all sources of flames, heating elements, gas engines, etc. Emergency clean-up personnel should wear chemical goggles, rubber or plastic gloves and clothing as required to protect against contact. Prevent spreading and contamination of surface waters and drinking supplies. Notify local health officials and other appropriate agencies if such contamination should occur.

CLEAN UP:

With adequate ventilation and appropriate personal protective equipment, cover the area with an inert absorbent material such as clay or vermiculite and transfer to steel waste containers. Ventilate area to remove the remaining vapors.

7. HANDLING & STORAGE

HANDLING PRECAUTIONS:

Avoid skin and eye contact. Use personal protective equipment when transferring material to or from drums, totes or other containers. If contamination with isocyanates is suspected, do not reseal containers. Do not smoke or use naked lights, open flames, space heaters, or other ignition sources near pouring, frothing or spraying operations.

SPECIAL EMPHASIS FOR SPRAY APPLICATIONS OF MIXED PRODUCTS CONTAINING ISOCYANATES:

Inspect the application area for the potential to expose other persons or for overspray to drift onto buildings, vehicles or other property. When spraying building exteriors, persons entering or exiting the building as well as those inside could be exposed to polyisocyanates due to wind conditions, open windows or air intakes. Do not begin application work until these potential problems have been corrected.

STORAGE REQUIREMENTS:

Storage: When stored between 15° and 30°C (60° and 85°F) in a dry area in sealed containers, typical shelf life is 6 months or more from the date of manufacture. Consult technical data sheet for shelf life requirements affecting performance quality. Opened containers must be handled properly to prevent moisture pickup.



8. EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Uses requiring heating and/or spraying may require more aggressive engineering controls or PPE. An eyewash station and safety shower or other drenching facilities are recommended in the work area.

PPE: HMIS PP, C | Safety Glasses, Gloves, Apron

PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION:

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

SKIN PROTECTION:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

FULL CONTACT:

Nature latex/chloroprene Minimum layer thickness: 0.6 mm Break through time: 480 min Material tested:Lapren (KCL 706 / Aldrich Z677558, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

BODY PROTECTION:

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

RESPIRATORY PROTECTION:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

CONTROL OF ENVIRONMENTAL EXPOSURE:

Do not let product enter drains.



COMPONENTS WITH WORKPLACE CONTROL PARAMETERS:

TWA _____ 10mg/m3 _____ USA Workplace Environmental _____ Exposure Levels: (WEEL) _____

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Pigmented liquid
Physical State	Liquid
Odor Threshold	No data available
Spec Grav./Density	N/A
Viscosity	No data available
Boiling Point	Not established
Flammability	None
Partition Coefficient	No data available
Vapor Pressure	No data available
pH	No data available
Evap. Rate	<1
Decomp Temp	No data available

Odor	Mild
Solubility	Not soluble in water
Percent Volatile	<1% by weight or by volume
Freezing/Melting Pt.	No data available
Flash Point	>200°F
Vapor Density	>1
Ignition Temp	NDA
UFL/LFL	No data available

10. STABILITY & REACTIVITY

CHEMICAL STABILITY:

This is a stable material. Avoid high temperatures, sparks, flame and extended exposure over 110°F (45°C).

CONDITIONS TO AVOID:

High temperatures, sparks, flame and extended exposure over 110°F (45°C).

MATERIALS TO AVOID:

isocyanates; Oxidizing materials; acids.

HAZARDOUS POLYMERIZATION:

Will not occur.



11. TOXICOLOGICAL INFORMATION

Diethylene glycol (111-46-6) [1-20%]

INFORMATION ON TOXICOLOGICAL EFFECTS - ACCUTE TOXICITY

LD50 ORAL - RAT:	12,565 mg/kg
INHALATION:	No data available
LD50 DERMAL - RABBIT:	11,890 MG/KG
SKIN CORROSION/IRRITATION:	
RABBIT RESULT:	Mild skin irritation
SERIOUS EYE DAMAGE/EYE IRRITATION:	
RABBIT RESULT:	Mild eye irritation
RESPIRATORY OR SKIN SENSITISATION:	No data available
GERM CELL MUTAGENICITY:	No data available

INFORMATION ON TOXICOLOGICAL EFFECTS - CARCINOGENICITY

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
REPRODUCTIVE TOXICITY:	No data available
SPECIFIC TARGET ORGAN TOXICITY:	
SINGLE EXPOSURE:	No data available
SPECIFIC TARGET ORGAN TOXICITY:	
REPEATED EXPOSURE:	No data available
ASPIRATION HAZARD:	No data available

ADDITIONAL INFORMATION

RTECS:	ID5950000
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Confusion, dizziness, kidney injury may occur. Unconsciousness, convulsions, pulmonary edema. Effects may be delayed. Nausea, headache, vomiting. Liver irregularities based on human evidence.



12. ECOLOGICAL INFORMATION

Diethylene glycol (111-46-6) [1-20%]

INFORMATION ON ECOLOGICAL EFFECTS - TOXICITY

LC50 - PIMEPHALES PROMELAS (FATHEAD MINNOW):	75,200 mg/l - 96 h
LC50 - CARASSIUS AURATUS (GOLDFISH):	5,000 mg/l - 24 h
EC50 - DAPHNIA MAGNA (WATER FLEA):	>10,000 mg/l - 24 h
PERSISTENCE AND DEGRADABILITY:	No data available
BIOACCUMULATIVE POTENTIAL:	No data available
MOBILITY IN SOIL:	No data available
PBT/VPVB ASSESSMENT:	No data available
OTHER ADVERSE EFFECTS:	No data available

13. DISPOSAL CONSIDERATIONS

DISPOSAL:

Any disposal practice must be in compliance with all federal, state and local laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Waste characterization and disposal compliance are the responsibility solely of the party generating the waste or deciding to discard or dispose of the material.

Do not allow material to enter sewers, a body of water, or contact the ground. Refer to RCRA 40 CFR 261, and/or any other appropriate federal, state or local requirements for proper classification information.

14. TRANSPORT INFORMATION

Non DOT/RCRA regulated

15. REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES:

*Diethylene glycol (111466 1-20%), HAP, PA, TSCA

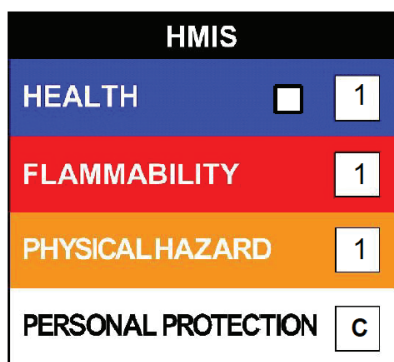
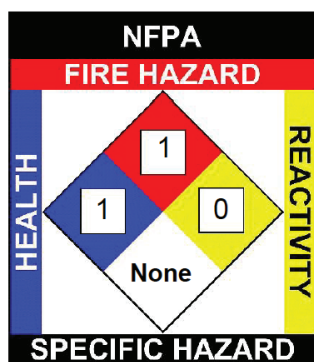
REGULATORY KEY DESCRIPTIONS:

TSCA:	Toxic Substances Control Act
HAP:	Hazardous Air Pollutants
PA:	PA Right-To-Know List of Hazardous Substances
SARA Title III:	Section 311/312: Immediate and Delayed Health Hazard
OSHA:	Hazardous



16. OTHER INFORMATION

NFPA: Health = 1, Fire = 1, Reactivity = 0, Specific Hazard = None
HMIS III: Health = 1, Fire = 1, Physical Hazard = 1
HMIS PPE: C - Safety Glasses, Gloves, Apron



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